

# Programming Core Java Unit Test- 1 (CAJ003)

Author: Abishek Devaraj

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## 4. Chapter: Core Java Unit Test-1(CAJ003)

### 1. Core Java Unit Test-1(CAJ003) Questions

#### 4.1.1. What is the acronym for OOP?

Author: [Abishek Devaraj](#)

What is the acronym for OOP?

Please choose only one answer:

- Object Oriented Programming
- Object Orientation programming
- Object Oriented Program
- Object Oriented Procedure

Check the answer of this question online at [QuizOver.com](#):

Question: [Abishek Devaraj What is the acronym for OOP?](#)

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<http://www.quizover.com/flashcards/abishek-devaraj-what-is-the-acronym-for-oop?pdf=1505>

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#### 4.1.2. Which language is a Object Oriented Programming language?

Author: [Abishek Devaraj](#)

Which language is a Object Oriented Programming language?

Please choose only one answer:

- Basic
- COBOL
- Java
- C

Check the answer of this question online at [QuizOver.com](#):

Question: [Abishek Devaraj Which language is a Object Oriented Programming language?](#)

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4.1.3. \_\_\_\_\_ is the feature of OOPS that implies that the non-essential d...

Author: Abishek Devaraj

\_\_\_\_\_ is the feature of OOPS that implies that the non-essential details of an object are hidden from the user and an access is provided to its essential details.

Please choose only one answer:

- Inheritance
- Abstraction
- Polymorphism
- Encapsulation

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj \\_\\_\\_\\_\\_ is the feature of OOPS that implies that the non-essential details of an obje](#)

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#### 4.1.4. Identify the feature of OOPS that means ignoring the non-essential ...

Author: [Abishek Devaraj](#)

Identify the feature of OOPS that means ignoring the non-essential details of an object and concentrating on its essential features?

Please choose only one answer:

- Inheritance
- Encapsulation
- Abstraction
- Polymorphism

Check the answer of this question online at [QuizOver.com](#):

Question: [Abishek Devaraj Identify the feature of OOPS that means ignoring the non-essential details of an obj](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-identify-the-feature-of-oops-that-means-ignoring-the-non-essential-details-of-an-obj?pdf=1505>

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#### 4.1.5. What is the type of inheritance in which a subclass is derived from...

Author: [Abishek Devaraj](#)

What is the type of inheritance in which a subclass is derived from more than one super class known as?

Please choose only one answer:

- Single Inheritance
- Multiple Inheritance
- Multilevel Inheritance
- Hybrid Inheritance

Check the answer of this question online at [QuizOver.com](#):

Question: [Abishek Devaraj What is the type of inheritance in which a subclass is derived from more than one su](#)

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#### 4.1.6. Predict the output of the expression, $16 \% 3$ ?

Author: Abishek Devaraj

Predict the output of the expression,  $16 \% 3$ ?

Please choose only one answer:

- 5
- 0
- 1
- 4

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj Predict the output of the expression,  \$16 \% 3\$ ?](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-predict-the-output-of-the-expression-16-3?pdf=1505>

Interactive Question:

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#### 4.1.7. What is the default value of the float data type?

Author: [Abishek Devaraj](#)

What is the default value of the float data type?

Please choose only one answer:

- 0.0
- 0
- 1.1
- 1

Check the answer of this question online at [QuizOver.com](#):

Question: [Abishek Devaraj What is the default value of the float data type?](#)

Flashcards:

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Interactive Question:

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#### 4.1.8. Consider the statements:

Statement A: The name of a variable can ...

Author: [Abishek Devaraj](#)

Consider the statements:

Statement A: The name of a variable can begin with a digit.

Statement B: The name of a variable can contain white spaces.

Identify the correct option.

Please choose only one answer:

- Statement A is true and statement B is false.
- Statement A is false and statement B is true.
- Both, statements, A and B, are true.
- Both, statements, A and B, are false.

Check the answer of this question online at [QuizOver.com](#):

Question: [Abishek Devaraj Consider the statements:  
Statement A: The name of a variable can begin with a digi](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-consider-the-statements-statement-a-the-name-of-a-variable-can-begin-with-a-digi?pdf=1505>

Interactive Question:

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4.1.9. \_\_\_\_\_ variables are the local variables that are accessed by the f...

Author: Abishek Devaraj

\_\_\_\_\_ variables are the local variables that are accessed by the function in which the variables are declared.

Please choose only one answer:

- Static
- Automatic
- Instance
- Constant

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj \\_\\_\\_\\_\\_ variables are the local variables that are accessed by the function in which](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-variables-are-the-local-variables-that-are-accessed-by-the-function-in-which?pdf=1505>

Interactive Question:

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4.1.10. \_\_\_\_\_ literals are enclosed in single quotes.

Author: Abishek Devaraj

\_\_\_\_\_ literals are enclosed in single quotes.

Please choose only one answer:

- String
- Character
- Integer
- Boolean

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj \\_\\_\\_\\_\\_ literals are enclosed in single quotes.](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-literals-are-enclosed-in-single-quotes?pdf=1505>

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#### 4.1.11. Which of the following statements about arrays is syntactically wrong?

Author: Abishek Devaraj

Which of the following statements about arrays is syntactically wrong?

Please choose only one answer:

- `Person[] p = new Person[5];`
- `Person p[5];`
- `Person[] p [];`
- `Person p[][] = new Person[2][];`

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj Which of the following statements about arrays is syntactically wrong?](#)

Flashcards:

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4.1.12. Given the following piece of code:

```
public class Test {  
public sta...
```

Author: [Abishek Devaraj](#)

Given the following piece of code:

```
public class Test {  
  
public static void main(String args[]) {  
  
int i = 0, j = 5 ;  
  
for( ; (i < 3) && (j++ < 10) ; i++ ) {  
  
System.out.print(" " + i + " " + j );  
  
}  
  
System.out.print(" " + i + " " + j );  
  
}  
  
}
```

Please choose only one answer:

- 0 6 1 7 2 8 3 8
- 0 6 1 7 2 8 3 9
- 0 5 1 5 2 5 3 5
- compilation fails

Check the answer of this question online at [QuizOver.com](http://QuizOver.com):

Question: [Abishek Devaraj Given the following piece of code:](#)

```
public class Test {  
public static void main(
```

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-given-the-following-piece-of-code-public-class-test-public-static-void-main?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-given-the-following-piece-of-code-public-class-test-public-static-void-main?pdf=1505>

#### 4.1.13. Suppose a class has public visibility. In this class we define a pr...

Author: Abishek Devaraj

Suppose a class has public visibility. In this class we define a protected method. Which of the following statements is correct?

Please choose only one answer:

- This method is only accessible from inside the class itself and from inside all subclasses.
- In a class, you can not declare methods with a lower visibility than the visibility of the class in which it is defined.
- From within protected methods you do not have access to public methods.
- This method is accessible from within the class itself and from within all classes defined in the same package as the class itself.

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj Suppose a class has public visibility. In this class we define a protected method. W](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-suppose-a-class-has-public-visibility-in-this-class-we-define-a-protected-method-w?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-suppose-a-class-has-public-visibility-in-this-class-we-define-a-protected-method-w?pdf=1505>

4.1.14. Given the following piece of code:

```
public class Company{  
public a...
```

Author: [Abishek Devaraj](#)

Given the following piece of code:

```
public class Company{  
  
public abstract double calculateSalaries();  
  
}
```

which of the following statements is true?

Please choose only one answer:

- The keywords public and abstract can not be used together.
- The method calculateSalaries() in class Company must have a body
- You must add a return statement in method calculateSalaries().
- Class Company must be defined abstract.

Check the answer of this question online at [QuizOver.com](#):

Question: [Abishek Devaraj Given the following piece of code:](#)

```
public class Company{  
public abstract double
```

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-given-the-following-piece-of-code-public-class-company-public-abstract-double?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-given-the-following-piece-of-code-public-class-company-public-abstract-double?pdf=1505>

4.1.15. Given the following piece of code:

```
public interface Guard{  
void d...
```

Author: [Abishek Devaraj](#)

Given the following piece of code:

```
public interface Guard{  
  
void doYourJob();  
  
}
```

```
abstract public class Dog implements Guard{}
```

which of the following statements is correct?

Please choose only one answer:

- This code will not compile, because method doYourJob() in interface Guard must be defined abstract.
- This code will not compile, because class Dog must implement method doYourJob() from interface Guard.
- This code will not compile, because in the declaration of class Dog we must use the keyword extends in stead of implements.
- This code will compile without any errors.

Check the answer of this question online at [QuizOver.com](http://QuizOver.com):

Question: [Abishek Devaraj Given the following piece of code:](#)

```
public interface Guard{  
void doYourJob();  
}
```

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-given-the-following-piece-of-code-public-interface-guard-void-doyourjob?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-given-the-following-piece-of-code-public-interface-guard-void-doyourjob?pdf=1505>

4.1.16. Given these classes:

```
public class Person{  
public void talk(){ Sys...
```

Author: [Abishek Devaraj](#)

Given these classes:

```
public class Person{  
  
public void talk(){ System.out.print("I am a Person "); }  
  
}
```

```
public class Student extends Person {  
  
public void talk(){ System.out.print("I am a Student "); }  
  
}
```

what is the result of this piece of code:

```
public class Test{  
  
public static void main(String args[]){  
  
Person p = new Student();  
  
p.talk();  
  
}  
  
}
```

Please choose only one answer:

- I am a Person
- I am a Student
- I am a Person I am a Student
- I am a Student I am a Person

Check the answer of this question online at [QuizOver.com](http://QuizOver.com):  
Question: [Abishek Devaraj Given these classes:](#)  
[public class Person{](#)

```
public void talk\(\){ System.out.prin
```

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-given-these-classes-public-class-person-public-void-talk-system-out-prin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-given-these-classes-public-class-person-public-void-talk-system-out-prin?pdf=1505>

4.1.17. Given the following piece of code:

```
class Person { public int numbe...
```

Author: [Abishek Devaraj](#)

Given the following piece of code:

```
class Person { public int number; }
```

```
public class Test{
```

```
public void dolt(int i , Person p){
```

```
    i = 5;
```

```
    p.number = 8;
```

```
}
```

```
public static void main(String args[]){
```

```
    int x = 0;
```

```
    Person p = new Person();
```

```
    new Test().dolt(x, p);
```

```
    System.out.println(x + " " + p.number);
```

```
}
```

```
}
```

Please choose only one answer:

- 0 8
- 50
- 00
- 58

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Abishek Devaraj Given the following piece of code:](#)

```
class Person { public int number; }
```

```
public clas
```

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-given-the-following-piece-of-code-class-person-public-int-number-public-clas?pdf=1505>

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4.1.18. Given:

```
public class Frodo extends Hobbit {  
public static void mai...
```

Author: [Abishek Devaraj](#)

Given:

```
public class Frodo extends Hobbit {  
  
public static void main(String[] args) {  
  
Short myGold = 7;  
  
System.out.println(countGold(myGold, 6));  
  
}  
  
}  
  
class Hobbit {  
  
int countGold(int x, int y) { return x + y; }  
  
}
```

What is the result?

Please choose only one answer:

- 13
- Compilation fails due to multiple errors
- Compilation fails due to an error on line 6
- Compilation fails due to an error on line 7
- Compilation fails due to an error on line 11

Check the answer of this question online at [QuizOver.com](#):

Question: [Abishek Devaraj Given:](#)  
[public class Frodo extends Hobbit {](#)  
[public static void main\(String\[\] args](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-given-public-class-frodo-extends-hobbit-public-static-void-main-string-args?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-given-question-public-class-frodo-extends-hobbit-public-static-void-main-string->



4.1.19. Given:

```
class Hexy {  
public static void main(String[] args) {  
Int...
```

Author: Abishek Devaraj

Given:

```
class Hexy {  
  
public static void main(String[] args) {  
  
Integer i = 42;  
  
String s = (i<40)?"life":(i>50)?"universe":"everything";  
  
System.out.println(s);  
  
}  
  
}
```

What is the result?

Please choose only one answer:

- null
- life
- universe
- everything
- Compilation fails.

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj Given:](#)

```
class Hexy {  
public static void main\(String\[\] args\) {  
Integer i = 42;  
Str
```

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-given-class-hexy-public-static-void-main-string-args-integer-i-42-str?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-given-class-hexy-public-static-void-main-string-args-integer-i-42-str?pdf=1505>



4.1.20. public void foo( boolean a, boolean b)

```
{  
if( a )  
{  
System.out...
```

Author: Abishek Devaraj

```
public void foo( boolean a, boolean b)
```

```
{  
  
if( a )  
  
{  
  
System.out.println("A"); /* Line 5 */  
  
}
```

```
else if(a && b) /* Line 7 */
```

```
{  
  
System.out.println( "A && B");  
  
}
```

```
else /* Line 11 */
```

```
{  
  
if ( !b )  
  
{  
  
System.out.println( "notB" );  
  
}
```

```
else
```

```
{
```

```
System.out.println( "ELSE" ) ;
```

```
}
```

```
}
```

```
}
```

Please choose only one answer:

- If a is true and b is true then the output is "A && B"
- If a is true and b is false then the output is "notB"
- If a is false and b is true then the output is "ELSE"
- If a is false and b is false then the output is "ELSE"

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj public void foo\( boolean a, boolean b\)](#)

```
{  
  if( a )  
  {  
    System.out.
```

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-public-void-foo-boolean-a-boolean-b-if-a-system-out?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-public-void-foo-boolean-a-boolean-b-if-a-system-out?pdf=1505>

4.1.21. switch(x)

```
{  
default:  
System.out.println("Hello");  
}
```

Whic...

Author: Abishek Devaraj

switch(x)

```
{  
default:  
System.out.println("Hello");  
}
```

Which two are acceptable types for x?

- 1.byte
- 2.long
- 3.char
- 4.float
- 5.Short
- 6.Long

Please choose only one answer:

- 1 and 3

- 2 and 4
- 3 and 5
- 4 and 6

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj switch\(x\)](#)

```
{  
  default:  
    System.out.println("Hello");  
}
```

[Which tw](#)

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4.1.22. public void test(int x)

```
{  
int odd = 1;  
if(odd) /* Line 4 */  
...  
}
```

Author: Abishek Devaraj

```
public void test(int x
```

```
{  
  
int odd = 1;  
  
if(odd) /* Line 4 */  
  
{  
System.out.println("odd");  
}  
  
else  
  
{  
System.out.println("even");  
}  
}
```

Which statement is true?

Please choose only one answer:

- Compilation fails.
- "odd" will always be output.
- "even" will always be output.
- "odd" will be output for odd values of x, and "even" for even values.

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj public void test\(int x\)](#)

```
{  
  int odd = 1;  
  if(odd) /* Line 4 */  
}
```

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-public-void-test-int-x-int-odd-1-if-odd-line-4?pdf=1505>

Interactive Question:

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#### 4.1.23. public class While

```
{  
public void loop()  
{  
int x= 0;  
while ( ...
```

Author: Abishek Devaraj

```
public class While  
  
{  
  
public void loop()  
  
{  
  
int x= 0;  
  
while ( 1 ) /* Line 6 */  
  
{  
  
System.out.print("x plus one is " + (x + 1)); /* Line 8 */  
  
}  
  
}  
  
}
```

Which statement is true?

Please choose only one answer:

- There is a syntax error on line 1.
- There are syntax errors on lines 1 and 6.
- There are syntax errors on lines 1, 6, and 8.
- There is a syntax error on line 6.

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj public class While](#)

```
{  
  public void loop()  
  {  
    int x= 0;  
    w  
  }  
}
```

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-public-class-while-public-void-loop-int-x-0-w?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-public-class-while-public-void-loop-int-x-0-w?pdf=1505>

#### 4.1.24. What will be the output of the program?

```
public class Foo
{
...

```

Author: Abishek Devaraj

What will be the output of the program?

```
public class Foo

{

public static void main(String[] args)

{

try

{

return;

}

finally

{

System.out.println( "Finally" );

}

}

}

}
```

Please choose only one answer:

- Finally
- Compilation fails.

- The code runs with no output.
- An exception is thrown at runtime.

Check the answer of this question online at QuizOver.com:  
Question: [Abishek Devaraj What will be the output of the program?](#)

```
public class Foo  
{  
    public stati
```

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-what-will-be-the-output-of-the-program-public-class-foo-public-stati?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-what-will-be-the-output-of-the-program-pblic-class-foo-public-stati?pdf=1505>

#### 4.1.25. What will be the output of the program?

```
public class X
{
pu...
```

Author: Abishek Devaraj

What will be the output of the program?

```
public class X
{
public static void main(String [] args)
{
try
{
badMethod();
System.out.print("A");
}
catch (Exception ex)
{
System.out.print("B");
}
finally
{
System.out.print("C");
```

```
}  
  
System.out.print("D");  
  
}  
  
public static void badMethod()  
{  
  
throw new Error(); /* Line 22 */  
  
}  
  
}
```

Please choose only one answer:

- ABCD
- Compilation fails.
- C is printed before exiting with an error message.
- BC is printed before exiting with an error message.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):  
Question: [Abishek Devaraj What will be the output of the program?](#)

```
public class X  
{  
    public static
```

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-what-will-be-the-output-of-the-program-public-class-x-public-static?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-what-will-be-the-output-of-the-program-public-class-x-public-static?pdf=1505>

4.1.26. What is the output of the following program?

```
public class X
{
...

```

Author: Abishek Devaraj

What is the output of the following program?

```
public class X
{
public static void main(String [] args)
{
try
{
badMethod();

System.out.print("A");

}

catch (RuntimeException ex) /* Line 10 */
{

System.out.print("B");

}

catch (Exception ex1)
{

System.out.print("C");

}

```

```
finally  
  
{  
  
System.out.print("D");  
  
}  
  
System.out.print("E");  
  
}  
  
public static void badMethod()  
  
{  
  
throw new RuntimeException();  
  
}  
  
}
```

Please choose only one answer:

- BD
- BCD
- BDE
- BCDE

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Abishek Devaraj What is the output of the following program?](#)

```
public class X  
{  
  public stati
```

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-what-is-the-output-of-the-following-program-public-class-x-public-stati?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-what-is-the-output-of-the-following-program-public-class-x-public-stati?pdf=1505>

#### 4.1.27. What will be the output of the program?

```
public class X
{
pu...
```

Author: Abishek Devaraj

What will be the output of the program?

```
public class X
{
public static void main(String [] args)
{
try
{
badMethod();
System.out.print("A");
}
catch (Exception ex)
{
System.out.print("B");
}
finally
{
System.out.print("C");
```

```
}  
  
System.out.print("D");  
  
}  
  
public static void badMethod() {}  
  
}
```

Please choose only one answer:

- AC
- BC
- ACD
- ABCD

Check the answer of this question online at [QuizOver.com](http://QuizOver.com):  
Question: [Abishek Devaraj What will be the output of the program?](#)

```
public class X  
{  
  public static v
```

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-what-will-be-the-output-of-the-program-public-class-x-public-static-v?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-what-will-be-the-output-of-the-program-public-class-x-public-static-v?pdf=1505>

#### 4.1.28. What will be the output of the program?

```
public class MyProgram ...
```

Author: Abishek Devaraj

What will be the output of the program?

```
public class MyProgram  
  
{  
  
public static void main(String args[])  
  
{  
  
try  
  
{  
  
System.out.print("Hello world ");  
  
}  
  
finally  
  
{  
  
System.out.println("Finally executing ");  
  
}  
  
}  
  
}
```

Please choose only one answer:

- Nothing. The program will not compile because no exceptions are specified.
- Nothing. The program will not compile because no catch clauses are specified
- Hello world.
- Hello world Finally executing

Check the answer of this question online at QuizOver.com:  
Question: [Abishek Devaraj What will be the output of the program?](#)

```
public class MyProgram  
{  
    public s
```

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-what-will-be-the-output-of-the-program-public-class-myprogram-public-s?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-what-will-be-the-output-of-the-program-public-class-myprogram-public-s?pdf=1505>

#### 4.1.29. What will be the output of the program?

class Exc0 extends Exce...

Author: Abishek Devaraj

What will be the output of the program?

```
class Exc0 extends Exception { }

class Exc1 extends Exc0 { } /* Line 2 */

public class Test

{

public static void main(String args[])

{

try

{

throw new Exc1(); /* Line 9 */

}

catch (Exc0 e0) /* Line 11 */

{

System.out.println("Ex0 caught");

}

catch (Exception e)

{

System.out.println("exception caught");
```

}

}

}

Please choose only one answer:

- Ex0 caught
- exception caught
- Compilation fails because of an error at line 2.
- Compilation fails because of an error at line 9.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Abishek Devaraj What will be the output of the program?](#)

```
class Exc0 extends Exception { }  
class
```

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-what-will-be-the-output-of-the-program-class-exc0-extends-exception-class?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-what-will-be-the-output-of-the-program-class-exc0-extends-exception-class?pdf=1505>

#### 4.1.30. Which collection class allows you to grow or shrink its size and pr...

Author: Abishek Devaraj

Which collection class allows you to grow or shrink its size and provides indexed access to its elements, but whose methods are not synchronized?

Please choose only one answer:

- `java.util.HashSet`
- `java.util.LinkedHashSet`
- `java.util.List`
- `java.util.ArrayList`

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Abishek Devaraj Which collection class allows you to grow or shrink its size and provides indexed ac](http://www.quizover.com/question/abishek-devaraj-which-collection-class-allows-you-to-grow-or-shrink-its-size-and-provides-indexed-ac?pdf=1505)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-which-collection-class-allows-you-to-grow-or-shrink-its-size-and-provides-indexed-ac?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-which-collection-class-allows-you-to-grow-or-shrink-its-size-and-provides-indexed-ac?pdf=1505>

#### 4.1.31. Which interface provides the capability to store objects using a ke...

Author: [Abishek Devaraj](#)

Which interface provides the capability to store objects using a key-value pair?

Please choose only one answer:

- `Java.util.Map`
- `Java.util.Set`
- `Java.util.List`
- `Java.util.Collection`

Check the answer of this question online at [QuizOver.com](#):

Question: [Abishek Devaraj Which interface provides the capability to store objects using a key-value pair?](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-which-interface-provides-the-capability-to-store-objects-using-a-key-value-pair?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-which-interface-provides-the-capability-to-store-objects-using-a-key-value-pair?pdf=1505>

#### 4.1.32. What is the numerical range of char?

Author: [Abishek Devaraj](#)

What is the numerical range of char?

Please choose only one answer:

- 0 to 32767
- 0 to 65535
- -256 to 255
- -32768 to 32767

Check the answer of this question online at [QuizOver.com](#):

Question: [Abishek Devaraj What is the numerical range of char?](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-what-is-the-numerical-range-of-char?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-what-is-the-numerical-range-of-char?pdf=1505>

#### 4.1.33. Which of the following are Java reserved words?

- 1.run
- 2.import...

Author: Abishek Devaraj

Which of the following are Java reserved words?

- 1.run
- 2.import
- 3.default
- 4.implements

Please choose only one answer:

- 1 and 3
- 2 and 3
- 3 and 4
- 1 and 4

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj Which of the following are Java reserved words?](#)

- [1.run](#)
- [2.import](#)
- [3.default](#)
- [4.im](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-which-of-the-following-are-java-reserved-words-1-run-2-import-3-default-4-im?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-which-of-the-following-are-java-reserved-words-1-run-2-import-3-default-4-im?pdf=1505>

4.1.34. public void foo( boolean a, boolean b)

```
{  
if( a )  
{  
System.out...
```

Author: Abishek Devaraj

```
public void foo( boolean a, boolean b)
```

```
{  
  
if( a )  
  
{  
  
System.out.println("A"); /* Line 5 */  
  
}
```

```
else if(a && b) /* Line 7 */
```

```
{  
  
System.out.println( "A && B");  
  
}
```

```
else /* Line 11 */
```

```
{  
  
if ( !b )  
  
{  
  
System.out.println( "notB" );  
  
}
```

```
else
```

```
{
```

```
System.out.println( "ELSE" ) ;
```

```
}
```

```
}
```

```
}
```

Please choose only one answer:

- If a is true and b is true then the output is "A && B"
- If a is true and b is false then the output is "notB"
- If a is false and b is true then the output is "ELSE"
- If a is false and b is false then the output is "ELSE"

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj public void foo\( boolean a, boolean b\)](#)

```
{  
  if( a )  
  {  
    System.out.
```

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-public-void-foo-boolean-a-boolean-b-if-a-system-out1466486?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-public-void-foo-boolean-a-boolean-b-if-a-system-out1466486?pdf=1505>

#### 4.1.35. You want subclasses in any package to have access to members of a s...

Author: Abishek Devaraj

You want subclasses in any package to have access to members of a superclass. Which is the most restrictive access that accomplishes this objective?

Please choose only one answer:

- public
- private
- protected
- transient

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj You want subclasses in any package to have access to members of a superclass. Which](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-you-want-subclasses-in-any-package-to-have-access-to-members-of-a-superclass-which?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-you-want-subclasses-in-any-package-to-have-access-to-members-of-a-superclass-which?pdf=1505>

#### 4.1.36. interface Base

```
{  
boolean m1 ();  
byte m2(short s);  
}
```

which t...

Author: Abishek Devaraj

```
interface Base
```

```
{  
  
boolean m1 ();  
  
byte m2(short s);  
  
}
```

which two code fragments will compile?

1.interface Base2 implements Base {}

abstract class Class2 extends Base

```
{ public boolean m1(){ return true; }}
```

3.abstract class Class2 implements Base {}

4.abstract class Class2 implements Base

```
{ public boolean m1(){ return (7 > 4); }}
```

5.abstract class Class2 implements Base

```
{ protected boolean m1(){ return (5 > 7) ;}
```

Please choose only one answer:

- 1 and 2
- 2 and 3
- 3 and 4
- 1 and 5

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj interface Base](#)

```
{  
  boolean m1 ();  
  byte m2(short s);  
}
```

[which two code f](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-interface-base-boolean-m1-byte-m2-short-s-which-two-code-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-interface-base-boolean-m1-byte-m2-short-s-which-two-code-f?pdf=1505>

#### 4.1.37. Which three form part of correct array declarations?

1.public...

Author: Abishek Devaraj

Which three form part of correct array declarations?

1.public int a [ ]

2.static int [ ] a

3.public [ ] int a

4.private int a [3]

5.private int [3] a [ ]

6.public final int [ ] a

Please choose only one answer:

- 1, 3, 4
- 2, 4, 5
- 1, 2, 6
- 2, 5, 6

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj Which three form part of correct array declarations?](#)

[1.public int a \[ \]](#)

[2.st](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-which-three-form-part-of-correct-array-declarations-1-public-int-a-2-st?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-which-three-form-part-of-correct-array-declarations-1-public-int-a-2-st?pdf=1505>

#### 4.1.38. What is the most restrictive access modifier that will allow member...

Author: Abishek Devaraj

What is the most restrictive access modifier that will allow members of one class to have access to members of another class in the same package?

Please choose only one answer:

- public
- abstract
- protected
- synchronized
- default access

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj What is the most restrictive access modifier that will allow members of one class to](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-what-is-the-most-restrictive-access-modifier-that-will-allow-members-of-one-class-to?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-what-is-the-most-restrictive-access-modifier-that-will-allow-members-of-one-class-to?pdf=1505>

4.1.39. Which of the following is/are legal method declarations?

1.prot...

Author: Abishek Devaraj

Which of the following is/are legal method declarations?

1.protected abstract void m1();

2.static final void m1(){}

3.synchronized public final void m1() {}

4.private native void m1();

Please choose only one answer:

- 1 and 3
- 2 and 4
- 1 only
- All of them are legal declarations.

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj Which of the following is/are legal method declarations?](#)

[1.protected abstract vo](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-which-of-the-following-is-are-legal-method-declarations-1-protected-abstract-vo?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-which-of-the-following-is-are-legal-method-declarations-1-protected-abstract-vo?pdf=1505>

#### 4.1.40. Which cause a compiler error?

Author: Abishek Devaraj

Which cause a compiler error?

Please choose only one answer:

- `int[ ] scores = {3, 5, 7};`
- `int [ ][ ] scores = {2,7,6}, {9,3,45};`
- `String cats[ ] = {"Fluffy", "Spot", "Zeus"};`
- `boolean results[ ] = new boolean [ ] {true, false, true};`
- `Integer results[ ] = {new Integer(3), new Integer(5), new Integer(8)};`

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj Which cause a compiler error?](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-which-cause-a-compiler-error?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-which-cause-a-compiler-error?pdf=1505>

4.1.41. Which three are valid method signatures in an interface?

1.pr...

Author: Abishek Devaraj

Which three are valid method signatures in an interface?

1.private int getArea();

2.public float getVol(float x);

3.public void main(String [] args);

4.public static void main(String [] args);

5.boolean setFlag(Boolean [] test);

Please choose only one answer:

- 1 and 2
- 2, 3 and 5
- 3, 4, and 5
- 2 and 4

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj Which three are valid method signatures in an interface?](#)

[1.private int getArea](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-which-three-are-valid-method-signatures-in-an-interface-1-private-int-getarea?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-which-three-are-valid-method-signatures-in-an-interface-1-private-int-getarea?pdf=1505>

#### 4.1.42. You want a class to have access to members of another class in the ...

Author: Abishek Devaraj

You want a class to have access to members of another class in the same package. Which is the most restrictive access that accomplishes this objective?

Please choose only one answer:

- public
- private
- protected
- default access

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Abishek Devaraj You want a class to have access to members of another class in the same package. Whi](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-you-want-a-class-to-have-access-to-members-of-another-class-in-the-same-package-why?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-you-want-a-class-to-have-access-to-members-of-another-class-in-the-same-package-why?pdf=1505>

#### 4.1.43. What is the narrowest valid returnType for methodA in line 3?

p...

Author: Abishek Devaraj

What is the narrowest valid returnType for methodA in line 3?

```
public class ReturnIt
{
returnType methodA(byte x, double y) /* Line 3 */
{
return (long)x / y * 2;
}
}
```

Please choose only one answer:

- int
- byte
- long
- double

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj What is the narrowest valid returnType for methodA in line 3?](#)

[public class Return](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-what-is-the-narrowest-valid-returntype-for-methoda-in-line-3-public-class-retur?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-what-is-the-narrowest-valid-returntype-for-methoda-in-line-3-public-class-retur?pdf=1505>

#### 4.1.44. class A

```
{  
protected int method1(int a, int b)  
{  
return 0;  
...  
}
```

Author: Abishek Devaraj

```
class A  
  
{  
  
protected int method1(int a, int b)  
  
{  
  
return 0;  
  
}  
  
}
```

Which is valid in a class that extends class A?

Please choose only one answer:

- public int method1(int a, int b) {return 0; }
- private int method1(int a, int b) { return 0; }
- public short method1(int a, int b) { return 0; }
- static protected int method1(int a, int b) { return 0; }

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj class A](#)

```
{  
protected int method1(int a, int b)  
  {  
    return 0;  
  }
```

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-class-a-protected-int-method1-int-a-int-b-return-0?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-class-a-protected-int-method1-int-a-int-b-return-0?pdf=1505>



#### 4.1.45. Which one creates an instance of an array?

Author: Abishek Devaraj

Which one creates an instance of an array?

Please choose only one answer:

- `int[ ] ia = new int[15];`
- `float fa = new float[20];`
- `char[ ] ca = "Some String";`
- `int ia[ ] [ ] = { 4, 5, 6 }, { 1,2,3 };`

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj Which one creates an instance of an array?](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-which-one-creates-an-instance-of-an-array?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-which-one-creates-an-instance-of-an-array?pdf=1505>

#### 4.1.46. Which two cause a compiler error?

1.float[ ] f = new float(3); ...

Author: Abishek Devaraj

Which two cause a compiler error?

1.float[ ] f = new float(3);

2.float f2[ ] = new float[ ];

3.float[ ]f1 = new float[3];

4.float f3[ ] = new float[3];

5.float f5[ ] = {1.0f, 2.0f, 2.0f};

Please choose only one answer:

- 2, 4
- 3, 5
- 4, 5
- 1, 2

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj Which two cause a compiler error?](#)

[1.float\[ \] f = new float\(3\);](#)

[2.float f2\[ \] =](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-which-two-cause-a-compiler-error-1-float-f-new-float-3-2-float-f2?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-which-two-cause-a-compiler-error-1-float-f-new-float-3-2-float-f2?pdf=1505>

4.1.47. Given a method in a protected class, what access modifier do you use...

Author: Abishek Devaraj

Given a method in a protected class, what access modifier do you use to restrict access to that method to only the other members of the same class?

Please choose only one answer:

- final
- static
- private
- protected
- volatile

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj Given a method in a protected class, what access modifier do you use to restrict acc](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-given-a-method-in-a-protected-class-what-access-modifier-do-you-use-to-restrict-acc?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-given-a-method-in-a-protected-class-what-access-modifier-do-you-use-to-restrict-acc?pdf=1505>

#### 4.1.48. Which is a valid declaration within an interface?

Author: [Abishek Devaraj](#)

Which is a valid declaration within an interface?

Please choose only one answer:

- `public static short stop = 23;`
- `protected short stop = 23;`
- `transient short stop = 23;`
- `final void madness(short stop);`

Check the answer of this question online at [QuizOver.com](#):

Question: [Abishek Devaraj Which is a valid declaration within an interface?](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-which-is-a-valid-declaration-within-an-interface?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-which-is-a-valid-declaration-within-an-interface?pdf=1505>

#### 4.1.49. Which one of these lists contains only Java programming language ke...

Author: Abishek Devaraj

Which one of these lists contains only Java programming language keywords?

Please choose only one answer:

- class, if, void, long, Int, continue
- goto, instanceof, native, finally, default, throws
- try, virtual, throw, final, volatile, transient
- strictfp, constant, super, implements, do
- byte, break, assert, switch, include

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj Which one of these lists contains only Java programming language keywords?](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-which-one-of-these-lists-contains-only-java-programming-language-keywords?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-which-one-of-these-lists-contains-only-java-programming-language-keywords?pdf=1505>

#### 4.1.50. Which will legally declare, construct, and initialize an array?

Author: Abishek Devaraj

Which will legally declare, construct, and initialize an array?

Please choose only one answer:

- `int [] myList = {"1", "2", "3"};`
- `int [] myList = (5, 8, 2);`
- `int myList [] [] = {4,9,7,0};`
- `int myList [] = {4, 3, 7};`

Check the answer of this question online at QuizOver.com:

Question: [Abishek Devaraj Which will legally declare, construct, and initialize an array?](#)

Flashcards:

<http://www.quizover.com/flashcards/abishek-devaraj-which-will-legally-declare-construct-and-initialize-an-array?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/abishek-devaraj-which-will-legally-declare-construct-and-initialize-an-array?pdf=1505>