

```
class Demo {  
    static Demo d;  
  
    public static void main(String[] args) {  
        Demo obj = new Demo();  
        d = obj;  
        obj = null;  
        System.gc();  
    }  
  
    protected void finalize() {  
        System.out.println("Finalized");  
    }  
}
```

Will finalize() be called?

- ☒ No
- ☐ Yes
- ☐ JVM
- ☐ Compile-time

error

error

Clear selection

What will be the output?

```
class A {  
    void show() {  
        System.out.println("A class method");  
    }  
}
```

```
class B extends A {  
    void show() {  
        System.out.println("B class method");  
    }  
}
```

```
public class Test {  
    public static void main(String[] args) {  
        B obj = new B();  
        obj.show();  
    }  
}
```



A

class method



B

class method



Compilation

error



Runtime

error

Clear selection

What will be the result of compiling this code?

```
final class A {  
    void show() {  
        System.out.println("Class A");  
    }  
}
```

```
class B extends A {  
    void display() {  
        System.out.println("Class B");  
    }  
}
```

- | | | |
|----------------------------------|-------------|--|
| <input type="radio"/> | Compilation | error because final methods cannot be overridden |
| <input type="radio"/> | The | program compiles, but throws a runtime exception |
| <input checked="" type="radio"/> | Compilation | error because a final class cannot be inherited |
| <input type="radio"/> | The | program compiles successfully |

Clear selection

What will be output of this code considering all the import are done ?

Captionless Image

☐ 6

☒ 20


☐ 0

☐ Compilation

error

Clear selection

What will be the output of this code?

Captionless Image

☐ Runtime

Error

☒ 5

☐ 10

☐ Compilation

Error

Clear selection

Which of the following allows duplicate elements and maintains insertion order?

☐ PriorityQueue

☐ Queue

☐ TreeSet

☒ ArrayList

Clear selection

What will happen if you try to insert a duplicate key with new value into a HashMap?

- ☐ Runtime error
- ☐ It will ignore the new value
- ☐ It will allow it
- ☒ The new value will replace the old one

Clear selection

Which of the following methods is NOT defined in the Object class?

- ☐ equals()
- ☐ hashCode()
- ☐ toString()
- ☒ compareTo()

Clear selection

What is the default priority of a thread in Java?

- ☒ 5
- ☐ 10
- ☐ 0
- ☐ 1

Clear selection

What is the primary use of FileInputStream?

- ☐ To read characters from a file
- ☐ To write characters to a file
- ☒ To read raw binary data from a file
- ☐ To read objects from a file

Clear selection

Assuming a class with both static and instance variables, how many copies of each type of variable are created when 10 objects of that class are instantiated?

- ☐ 10, 10
- ☒ 1, 10
- ☐ 1, 1
- ☐ 10, 1

Clear selection

What will be output of this code considering all the import are done ?

```
public class WrapperTest {  
    public static void main(String[] args) {  
  
        Integer a = 200;  
        Integer b = 200;  
  
        System.out.println(a == b);  
    }  
}
```

- ☐ Runtime exception
- ☐ Compilation error
- ☐ true
- ☒ false

Clear selection

Which of the following is not an OOPS concept?

- ☐ Abstraction
- ☐ Polymorphism
- ☒ Compilation
- ☐ Encapsulation

Clear selection

Which method is used for deserialization of an object in Java?

- ☐ ObjectOutputStream.writeObject()
- ☐ ObjectInputStream.readObject()
- ☐ ObjectInputStream.writeObject()
- ☒ ObjectOutputStream.readObject()

Clear selection

In Java, what feature do you use if you want to create multiple methods with the same name but different inputs ?

- ☐ function overriding
- ☒ method overloading
- ☐ All of these
- ☐ Method overriding

Clear selection

Which Java package provides classes that are available by default to every Java program?
No need to import it manually.

- ☐ `java.util` package
- ☒ `java.lang` package
- ☐ `java.io` package
- ☐ None of these

Clear selection

Which of these correctly declares an array in Java?

- ☐ `int`
`arr = new int[5];`
- ☐ `array`
`int arr[5];`
- ☒ `int`
`arr[] = new int[5];`
- ☐ `int`
`arr[] = new int(5);`

Clear selection

What is the purpose of a constructor in Java?

- ☐ To destroy an object
- ☒ To initialize an object
- ☐ To call the superclass method
- ☐ To create a copy of an object

Clear selection

Assuming a class with both 1 static and 1 instance variables, how many copies of each type of variable are created when 10 objects of that class are instantiated?

- ☒ 1 Static, 10 Instance
- ☐ 10 Static, 1 Instance
- ☐ 10 Static, 10 Instance
- ☐ 1 Static , 1 Instance

Clear selection

Which statement is CORRECT regarding System.gc()?

- ☒ It requests JVM to run garbage collector
- ☐ It deletes objects immediately
- ☐ It guarantees finalize() execution
- ☐ It forces garbage collection

Clear selection

What will happen in the following code?



Captionless Image

- ☐ Runtime crash
- ☐ Only prints "Program ends"
- ☒ Prints "Divide by zero" then "Program ends"
- ☐ Compile-time error

Clear selection

Which of the following is NOT a feature of Java?

- ☐ Secure
- ☒ Fast and unsafe
- ☐ Platform independent
- ☐ Object-oriented

Clear selection

What will the Output of this code consider all imports are done ?



Captionless Image

- ☒ true if file is created successfully
- ☐ false always
- ☐ Throws exception at runtime
- ☐ Compilation error

Clear selection

What will happen if you try to open a non-existent file using FileReader ?

Captionless Image

- ☐ It returns null
- ☒ It throws FileNotFoundException
- ☐ It compiles but throws IOException only when reading
- ☐ It creates a new file

Clear selection

What is the output of the following code?

```
int x = 5;  
int y = x++ * 2;  
System.out.println(y);
```

- ☐ 11
- ☐ 12
- ☐ 14
- ☒ 10

Clear selection

What will be the output?

```
class Test {  
    static void display(int... arr) {  
        System.out.println(arr.length);  
    }  
  
    public static void main(String[] args) {  
        display();  
        display(1, 2, 3);  
    }  
}
```

- | | |
|------------------------------------|-------|
| <input type="radio"/> Compilation | error |
| <input type="radio"/> Runtime | error |
| <input checked="" type="radio"/> 0 | 3 |
| <input type="radio"/> 1 | 3 |

Clear selection

Which of the following is a valid Java identifier?

- ☐ class
- ☐ 2data
- ☒ _myVar
- ☐ \$public

Clear selection

Which member of the superclass is never accessible to the subclass?

- ☐ Protected member
- ☐ Public member
- ☒ Private member
- ☐ All of these

Clear selection

Which of the following is true about anonymous inner classes?

- ☐ They must be static
- ☒ They are defined without a name
- ☐ They can have constructors
- ☐ They can implement multiple interfaces

Clear selection

Which of the following is a literal in Java?

- ☐ num
- ☐ final
- ☒ 123
- ☐ class

Clear selection

Which statement about FileWriter is true?

- ☒ It overwrites existing content by default
- ☐ It cannot be used with BufferedWriter
- ☐ It writes bytes, not characters
- ☐ It throws FileNotFoundException if file doesn't exist

Clear selection

What is the difference between ArrayList and LinkedList?

- ☐ LinkedList uses a dynamic array
- ☒ ArrayList is faster for insertion
- ☐ ArrayList consumes less memory for each node
- ☐ LinkedList is faster for insertion and deletion

Clear selection

Which class is the direct parent of all unchecked exceptions?

- ☐ Exception
- ☐ Throwable
- ☒ RuntimeException
- ☐ Error

Clear selection

What is the superclass of all exceptions in Java?

- ☐ RuntimeException
- ☒ Throwable
- ☐ Exception
- ☐ Error

Clear selection

Object-oriented inheritance represents which type of relationship?

- ☐ “has a” relationship
- ☒ “is a” relationship
- ☐ “was- a ” relationship
- ☐ “want to be” relationship

Clear selection

How many objects will get created in the following code ?

```
String s1 = new String("CDAC");  
String s2 = new String("CDAC");  
String s3 = new String("CDAC");
```

- ☐ 3
- ☒ 6
- ☐ 2
- ☐ 1

Clear selection

Which interface must be implemented to create a thread in Java ?

- ☒ Runnable
- ☐ EventListener
- ☐ Callable
- ☐ Thread

Clear selection

Which class maintains sorted keys in natural order?

- ☐ Hashtable
- ☒ TreeMap
- ☐ HashSet
- ☐ HashMap

Clear selection

Which of the following will create an object of class Person correctly?

Captionless Image

- ☐ Person
`p = new Person;`
- ☒ Person
`p = new Person("Alice");`
- ☐ Person
`p();`
- ☐ Person
`p = new Person();`

Clear selection

What is the keyword utilized to prevent method overriding in Java?

- ☐ static
- ☐ if
- ☐ super
- ☒ final

Clear selection

Back

Submit

Page 2 of 2

Clear form

Never submit passwords through Google Forms.

This content is neither created nor endorsed by Google. - [Contact form owner](#) - [Terms of Service](#) - [Privacy Policy](#).

Does this form look suspicious? [Report](#)

