

```
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
 - error
- Compile-time
 - 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");  
    }  
}
```

Compilation



error because final methods cannot
be overridden

The



program compiles, but throws a
runtime exception

Compilation



error because a final class cannot
be inherited

The



program compiles successfully

Clear selection



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



- 6
- 20
- 0
- Compilation

error

[Clear selection](#)

What will be the output of this code?



- Runtime
- 5
- 10
- Compilation

Error

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?



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 ?



- 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 ?



- 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);  
    }  
}
```

- Compilation error
 - Runtime error
 - 0 3
 - 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?



- 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](#)

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Page 2 of 2

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