



Question 1

Answer saved

Marked out of 1.00

What is the output for the below code ?

```
class A {  
    static{System.out.println("static");}  
        { System.out.println("block");}  
    public A(){  
        System.out.println("A");  
    }  
}  
  
public class Test {  
    public static void main(String[] args) {  
        A a = new A();  
    }  
}
```

Select one:

- ☐ a. A block static
- ☐ b. A
- ☐ c. static A
- ☒ d. static block A

Which of the below code can be insert at line 7 to make clean compilation ?

```
class A {  
    A(String s) {  
    }  
    A() {  
    }  
}  
  
1. class B extends A {  
2.     B() { }  
3.     B(String s) {  
4.         super(s);  
5.     }  
6.     void test() {  
7.         // insert code here  
8.     }  
9. }
```

Select one:

- ☒ a. A a = new B();
- ☐ b. A a = new B(5);
- ☐ c. All of the above.
- ☐ d. A a = new A(String s);

What is the output for the below code ?

```
public class A {  
    public void printValue() {  
        System.out.println("Value-A");  
    }  
}  
  
public class B extends A{  
    public void printNameB() {  
        System.out.println("Name-B");  
    }  
}  
  
public class C extends A{  
  
    public void printNameC() {  
        System.out.println("Name-C");  
    }  
  
}  
  
1. public class Test{  
2.     public static void main (String[] args) {  
3.         B b = new B();  
4.         C c = new C();  
5.         newPrint(b);  
6.         newPrint(c);  
7.     }  
8.     public static void newPrint(A a) {  
9.         a.printValue();  
10.    }
```

Select one:

- ☐ a. Value-A Name-B
- ☒ b. Value-A Value-A
- ☐ c. Value-A Name-C
- ☐ d. Name-B Name-C

Question 4

Answer saved

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What is the output for the below code ?

```
class C {}
class D extends C{}
class A {
    public C getOBJ(){
        System.out.println("class A - return C");
        return new C();
    }
class B extends A{
    public D getOBJ(){
        System.out.println("class B - return D");
        return new D();
    }
public class Test {
    public static void main(String[] args) {
        A a = new B();
        a.getOBJ();
    }
}
```

Select one:

- ☐ a. Compilation fails
- ☐ b. Compilation succeed but no output
- ☐ c. class A - return C
- ☒ d. class B - return D

Consider the below code:

```
class Alpha {
    String getType() {
        return "alpha";
    }
}

class Beta extends Alpha {
    String getType() {
        return "beta";
    }
}

public class Gamma extends Beta {
    String getType() {
        return "gamma";
    }

    public static void main(String[] args) {
        Gamma g1 = new Alpha();
        Gamma g2 = new Beta();
        System.out.println(g1.getType() + " "
                           + g2.getType());
    }
}
```

Select one:

- ☐ a. beta beta
- ☐ b. gamma gamma
- ☒ c. Compilation error.
- ☐ d. alpha beta

Question **6**

Answer saved

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What is the output for the below code ?

```
public class A {  
    private void printName() {  
        System.out.println("Value-A");  
    }  
}  
  
public class B extends A{  
    public void printName() {  
        System.out.println("Name-B");  
    }  
}  
  
public class Test{  
    public static void main (String[] args) {  
        B b = new B();  
        b.printName();  
    }  
}
```

Select one:

- ☐ a. Value-A
- ☐ b. Value-A Name-B
- ☒ c. Name-B
- ☐ d. Compilation fails - private methods can't be override

What is the output for the below code ?

```
public class A {
    public A() {
        System.out.println("A");
    }
    public A(int i){
        this();
        System.out.println(i);
    }
}

public class B extends A{
    public B () {
        System.out.println("B");
    }
    public B (int i){
        this();
        System.out.println(i+3);
    }
}

public class Test{

    public static void main (String[] args){
        new B(5);
    }
}
```

Select one:

- ☒ a. A B 8
- ☐ b. B 8 A 5
- ☐ c. A 5 B 8
- ☐ d. A B 5

What is the output for the below code ?

```
public class D {  
    int i;  
    int j;  
    public D(int i,int j){  
        this.i=i;  
        this.j=j;  
    }  
  
    public void printName() {  
        System.out.println("Name-D");  
    }  
}  
  
1. public class Test{  
2.     public static void main (String[] args){  
3.         D d = new D();  
4.         d.printName();  
5.  
6.     }  
7. }
```

Select one:

- ☒ a. Compilation fails due to an error on lines 3
- ☐ b. Compilation fails due to an error on lines 4
- ☐ c. Name-D
- ☐ d. Compilation succeed but no output

Consider the below code:

```
public class A {  
    public void test1(){  
        System.out.println("test1");  
    }  
}  
  
public class B extends A{  
    public void test2(){  
        System.out.println("test2");  
    }  
}  
  
1. public class Test{  
2.     public static void main (String[] args){  
3.         A a = new A();  
4.         A b = new B();  
5.         B b1 = new B();  
6.         // insert code here  
7.     }  
8. }
```

Which of the following , inserted at line 6, will compile and print test2?

Select one:

- ☐ a. a.test2();
- ☐ b. (B)b.test2();
- ☐ c. b.test2();
- ☒ d. ((B)b).test2();

Question **10**

Answer saved

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What is the output for the below code ?

```
1. public class Test {
2.     enum Month { JAN, FEB, MAR };
3.     public static void main(String... args) {
4.         Month m1 = Month.JAN;
5.         Month m2 = Month.JAN;
6.         Month m3 = Month.FEB;
7.         System.out.println(m1 == m2);
8.         System.out.println(m1.equals(m2));
9.         System.out.println(m1 == m3);
10.        System.out.println(m1.equals(m3));
11.    }
12. }
```

Select one:

- ☒ a. true true false false
- ☐ b. Compilation fails with an error at line 10
- ☐ c. false false true true
- ☐ d. true true true false



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