

OCA PREP QUESTION

SET-7

1. Consider below code:

```
1. public class Test {  
2.     static Double d1;  
3.     int x = d1.intValue();  
4.  
5.     public static void main(String[] args) {  
6.         System.out.println("HELLO");  
7.     }  
8. }
```

On execution, does Test class print "HELLO" on to the console?

- A. Yes,HELLO is printed on to the console.
- B. No,Hello is not printed on to the console

2. What will be the result of compiling and executing Test class?

```
1. public class Test {  
2.     public static void main(String [] args) {  
3.         int a = 3;  
4.         m(++a, a++);  
5.         System.out.println(a);  
6.     }  
7.  
8.     private static void m(int i, int j) {  
9.         i++;  
10.        j--;  
11.    }  
12. }
```

- A. 4
- B. 3
- C. 5
- D. 6

3. What will be the result of compiling and executing Greetings class?

```
1. public class Greetings {
2.     String msg = null;
3.     public Greetings() {
4.     }
5.
6.     public Greetings(String str) {
7.         msg = str;
8.     }
9.
10.    public void display() {
11.        System.out.println(msg);
12.    }
13.
14.    public static void main(String [] args) {
15.        Greetings g1 = new Greetings();
16.        Greetings g2 = new Greetings("Good Evening!");
17.        g1.display();
18.        g1.display();
19.    }
20. }
```

- A. null
Good Evening!
- B. null
null
- C. Compilation error
Good Evening!
- D. null

4. Consider below code:

```
1. //Test.java
2. import java.time.LocalDate;
3.
4. public class Test {
5.     public static void main(String [] args) {
6.         LocalDate date = LocalDate.of(2068, 4, 15);
7.         System.out.println(date.getMonth() + ":" + date.getMonthValue());
8.     }
9. }
```

What will be the result of compiling and executing Test class?

- A. APRIL:3
- B. April:3
- C. April:4
- D. APRIL:4

5. What will be the result of compiling and executing Test class?

```
1. public class Test {  
2.     public static void main(String[] args) {  
3.         String [] arr = {"A", "B", "C", "D"};  
4.         arr[0] = arr[1];  
5.         arr[1] = "E";  
6.         for(String s : arr) {  
7.             System.out.print(s + " ");  
8.         }  
9.     }  
10. }
```

- A. An exception is thrown at runtime
- B. Compilation error
- C. **B E C D**
- D. E E C D
- E. A E C D

6. For the class Test, which option, if used to replace /*INSERT*/, will print "Lucky no. 7" on to the console?

```
1. public class Test {  
2.     public static void main(String[] args) {  
3.         /*INSERT*/  
4.         switch(var) {  
5.             case '7':  
6.                 System.out.println("Lucky no. 7");  
7.                 break;  
8.             default:  
9.                 System.out.println("DEFAULT");  
10.        }  
11.    }  
12. }
```

- A. int var=7;
- B. None
- C. Integer var=7;
- D. **int var='7';**

7. Given Code:

```
1. import java.io.*;
2.
3. class ReadTheFile {
4.     static void print() { //Line 4
5.         throw new IOException(); //Line 5
6.     }
7. }
8.
9. public class Test {
10.    public static void main(String[] args) { //Line 10
11.        ReadTheFile.print(); //Line 11
12.        //Line 12
13.    }
14. }
```

Which 2 changes are necessary so that code compiles successfully?

- A. Surround Line 11 with below try-catch block:

```
try{
    ReadTheFile.print( );
}catch(IOException | Exception e) {
    e.printStackTrace();
}
```

- B. Surround Line 11 with below try-catch block:

```
try{
    ReadTheFile.print( );
}catch(IOException e) {
    e.printStackTrace();
}
```

- C. Replace Line 4 with static void print () throws Throwable{

- D. Replace Line 4 with static void print () throws Exception{

- E. Replace Line 10 with public static void main (String [] args) throws IOException{

- F. Surround Line 11 with below try-catch block:

```
try{
    ReadTheFile.print( );
}catch(Exception e) {
    e.printStackTrace();
}
```

8.

```
1. public class Test {  
2.     private static int [] arr;  
3.     public static void main(String [] args) {  
4.         if(arr.length > 0 && arr != null) {  
5.             System.out.println(arr[0]);  
6.         }  
7.     }  
8. }
```

Predict Output, if the above code is run with given command?

java Test

- A. Compilation error
- B. **NullPointerException is thrown at runtime**
- C. ArrayIndexOutOfBoundsException is thrown at runtime
- D. No output

9. What will be the result of compiling and executing Test class?

```
1. public class Test {  
2.     static String msg; //Line 2  
3.     public static void main(String[] args) {  
4.         String msg; //Line 4  
5.         if(args.length > 0) {  
6.             msg = args[0]; //Line 6  
7.         }  
8.         System.out.println(msg); //Line 8  
9.     }  
10. }
```

- A. Line 4 causes compilation failure
- B. Line 8 causes compilation failure
- C. null
- D. **An exception is thrown at runtime**
- E. Line 2 causes compilation failure

10. What will be the result of compiling and executing Test class?

```
1. public class Test {  
2.  
3.     private static void add(double d1, double d2) {  
4.         System.out.println("double version: " + (d1 + d2));  
5.     }  
6.  
7.     private static void add(Double d1, Double d2) {  
8.         System.out.println("Double version: " + (d1 + d2));  
9.     }  
10.  
11.     public static void main(String[] args) {  
12.         add(10.0, new Double(10.0));  
13.     }  
14.  
15. }
```

- A. An exception is thrown at runtime
- B. Double version: 20.0
- C. **Compilation error**
- D. double versio:20.0