

OCA PREP QUESTIONS

SET - 1

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 to the console.
- B. No, HELLO is not printed to the console.

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

```
public class Test {  
  
    public static void main(String [] args) {  
  
        int a = 3;  
  
        m(++a, a++);  
  
        System.out.println(a);  
  
    }  
  
}
```

```
private static void m(int i, int j) {  
  
    i++;  
  
    j--;  
  
}
```

}

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

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

```
1.
2. public class Greetings {
3.     String msg = null;
4.     public Greetings() {
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
- D. Good Evening!
null

4. Consider below code:

```
import java.time.LocalDate;
```

```
public class Test {

    public static void main(String [] args) {

        LocalDate date = LocalDate.of(2068, 4, 15);

        System.out.println(date.getMonth() + ":" + date.getMonthValue());
```

```
}  
}
```

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 the runtime
- B. Compilation error
- C. B E C D
- D. E E C D
- E. A E C D

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

```
import java.util.ArrayList;
```

```
import java.util.List;
```

```
public class Test {  
    public static void main(String[] args) {  
        List<String> fruits = new ArrayList<>();  
        fruits.add("apple");  
        fruits.add("orange");  
        fruits.add("grape");
```

```

    fruits.add("mango");

    fruits.add("banana");

    fruits.add("grape");

    if(fruits.remove("grape"))
        fruits.remove("apple");

    System.out.println(fruits);
}
}

```

- A. [orange,mango,banana,grape]
- B. [orange,grape, mango,banana]
- C. Compilation error
- D. An exception is thrown at runtime

7.
What will be the result of compiling and executing Test class?

```

1. public class Test {
2.     public static void main(String[] args) {
3.         String fName = "James";
4.         String lName = "Gosling";
5.         System.out.println(fName = lName);
6.     }
7. }

```

- A. Compilation error
- B. None of the options
- C. true
- D. false

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

```
import java.util.function.Predicate;
```

```

public class Test {

    public static void main(String[] args) {

        String [] arr = {"*", "**", "***", "****", "*****", "*****", "*****"};

        Predicate<String> pr1 = s -> s.length() < 4;

        print(arr, pr1);

    }

    private static void print(String [] arr, Predicate<String> predicate) {

        for(String str : arr) {

            if(predicate.test(str)) {

                System.out.println(str);

            } } } }

```

A.*
 **

B. ****

C. *
 **

D. .*
 **

9. Which of the following method is declared in Predicate<T> interface?

- A. boolean verify(T t);
- B. boolean validate(T t);

C. boolean check(T t);

D. boolean test(T t);

10. Consider the code of Test.java file:

```
class Student {  
    String name;  
    int age;  
  
    Student() {  
        Student("James", 25);  
    }  
  
    Student(String name, int age) {  
        this.name = name;  
        this.age = age;  
    }  
}  
  
public class Test {  
    public static void main(String[] args) {  
        Student s = new Student();  
        System.out.println(s.name + ":" + s.age);  
    }  
}
```

There is a compilation error in the Student class.

Which modifications, done independently, print "James:25" on to the console?

Select 2 options.

A. Replace `Student("James",25);` with `super("James",25);`

B. Replace `Student("James",25);` with `this.Student("James",25);`

C. Add below code in the Student class:

1. `void Student(String name,int age){`
2. `this.name=name;`
3. `this.age=age;`
4. `}`

D. Replace `Student("James",25);` with `this("James",25);`