

OCA PREP QUESTIONS

SET – 4

1. Consider below code:

```
1. //Test.java
2. import java.time.LocalDate;
3. import java.time.format.DateTimeFormatter;
4.
5. public class Test {
6.     public static void main(String [] args) {
7.         LocalDate date1 = LocalDate.parse("1947-08-15", DateTimeFormatter.ISO_DATE);
8.         LocalDate date2 = LocalDate.parse("1947-08-15",
9.                                         DateTimeFormatter.ISO_LOCAL_DATE);
10.        LocalDate date3 = LocalDate.of(1947, 8, 15);
11.
12.        System.out.println(date1.equals(date2) + " : " + date2.equals(date3));
13.    }
14. }
```

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

- A. true:true
- B. false:true
- C. true:false
- D. RuntimeException
- E. false:false

2. How many String objects are there in the HEAP memory, when control is at Line 9?

```
1. public class Test {
2.     public static void main(String[] args) {
3.         String s1 = new String("Java"); //Line 3
4.         String s2 = "JaVa"; //Line 4
5.         String s3 = "JaVa"; //Line 5
6.         String s4 = "Java"; //Line 6
7.         String s5 = "Java"; //Line 7
8.
9.         int i = 1; //Line 9
10.
11.     }
12. }
```

- A. 3
- B. 4
- C. 2
- D. 5

3. Consider below code:

```
1. //Test.java
2. import java.util.ArrayList;
3. import java.util.List;
4.
5. public class Test {
6.     public static void main(String[] args) {
7.         List<String> list = new ArrayList<>(4);
8.         list.add(0, "Array");
9.         list.add(2, "List");
10.    }
```

```

11.         System.out.println(list);
12.     }
13. }

```

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

- A. An exception is thrown at runtime
- B. [Array,List]
- C. Compilation error
- D. [Array,null,List,null]

4. Wrapper classes are defined in which of the following package?

- A. java.util
- B. java.io
- C. java.lang
- D. default package

5. 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 obj = LocalDate.now();
7.         System.out.println(obj.getHour());
8.     }
9. }

```

Which of the following statement is correct?

- A. Code fails to compile
- B. Code compiles successfully but throws Runtime exception
- C. It will print any int value between 1 and 24
- D. It will print any int value between 0 and 236.

6. 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.         System.out.println(a++ == 3 || --a == 3 && --a == 3);
5.     }
6. }

```

- A. Compilation error
- B. true
- C. false

7. Consider below code:

```
1. //Test.java
2. import java.util.ArrayList;
3. import java.util.List;
4.
5. public class Test {
6.     public static void main(String[] args) {
7.         List<String> dryFruits = new ArrayList<>();
8.         dryFruits.add("Walnut");
9.         dryFruits.add("Apricot");
10.        dryFruits.add("Almond");
11.        dryFruits.add("Date");
12.
13.        for(String dryFruit : dryFruits) {
14.            if(dryFruit.startsWith("A")) {
15.                dryFruits.remove(dryFruit);
16.            }
17.        }
18.
19.        System.out.println(dryFruits);
20.    }
21. }
```

What will be the result of compiling and executing Test class

- A. Compilation error
- B. An exception is thrown at runtime
- C. [Walnut,Date]
- D. [Walnut,Apricot,Almond,Date]

8. DateTimeFormatter is defined inside which package?

- A. java.time
- B. java.util
- C. java.text
- D. java.time.format

9. 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 = {"abc", "true", "false", null, "FALSE"};
4.         for(String s : arr) {
5.             System.out.print(Boolean.valueOf(s) ? "T" : "F");
6.         }
7.     }
8. }
```

- A. FFFFF
- B. TTTFT
- C. FTFFF
- D. NullPointerException is thrown at runtime
- E. TTFTT

10. Consider below code:

```
1. import java.util.ArrayList;
2. import java.util.List;
3.
4. public class Test {
5.     public static void main(String[] args) {
6.         List<String> days = new ArrayList<>();
7.         days.add("SUNDAY");
8.         days.add("SUNDAY");
9.         days.add("MONDAY");
10.        System.out.println(days.size());
11.        days.clear();
12.        System.out.println(days.size());
13.    }
14. }
```

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

- A. 2
0
- B. 3
0
- C. 3
3
- D. An exception is thrown at runtime