Rajalakshmi Engineering College

Name: HARI PRASANNA S
Email: 241501064@rajalakshmi.edu.in
Roll no: 241501064
Phone: 9042038178
Branch: REC
Department: AI & ML - Section 2
Batch: 2028
Degree: B.E - AI & ML

Scan to verify results

2024_28_III_OOPS Using Java Lab

REC_2028_OOPS using Java_Week 4_MCQ

Attempt : 1
Total Mark : 15
Marks Obtained : 15

Section 1 : MCQ

1. What is the output of the following code?

```
class Main
{
    public static void main(String args[])
    {
        StringBuffer c = new StringBuffer("Hello");
        c.delete(0,2);
        System.out.println(c);
    }
}
```

Answer

llo

Status : Correct   *Marks : 1/1*

2. Predict the output for the following code.

```
class Main {
    public static void main(String[] fruits) {
        String fruit1 = new String("apple");
        String fruit2 = new String("orange");
        String fruit3 = new String("pear");
        fruit3 = fruit1;
        fruit2 = fruit3;
        fruit1 = fruit2;
        System.out.println(fruit1);
        System.out.println(fruit2);
        System.out.println(fruit3);
    }
}
```

Answer

appleappleapple

Status : Correct   *Marks : 1/1*

3. What will be the output of the following program?

```
class Main {
    public static void main(String[] args) {
        String greet = "Welcome\n";
        System.out.print("String: " + greet);
        int length = greet.length();
        System.out.print("Length: " + length);
    }
}
```

Answer

String: WelcomeLength: 8

Status : Correct   *Marks : 1/1*

4. What will be the output of the following program?

```java
class Main {
    public static void main(String[] args) {
        String s1 = "EDUCATION";
        String s2 = new String("EDUCATION");
        String s3 = "EDUCATION";
        if (s1 == s2) {
            System.out.println("s1 and s2 equal");
        }
        else {
            System.out.println("s1 and s2 not equal");
        }
        if (s1 == s3) {
            System.out.println("s1 and s3 equal");
        }
        else {
            System.out.println("s1 and s3 not equal");
        }
    }
}
```

Answer

s1 and s2 not equals1 and s3 equal

Status : Correct   *Marks : 1/1*

5.   What will be the output of the following code?

```java
class Main {
    public static void main(String args[]) {
        char c[] = {'j', 'a', 'v', 'a'};
        String s1 = new String(c);
        String s2 = new String(s1);
        System.out.println(s1);
        System.out.println(s2);
    }
}
```

Answer

javajava

6. Predict the output for the following code:

```java
class Main {
    public static void main(String args[]) {
        StringBuffer sb = new StringBuffer("I Java!");
        sb.insert(5, "like ");
        System.out.println(sb);
    }
}
```

Answer

I Javlike a!

7. What will be the output of the following code?

```java
class Main {
    public static void main(String args[]) {
        String s1 = "Hello i love java";
        String s2 = new String(s1);
        System.out.println((s1 == s2) + " " + s1.equals(s2));
    }
}
```

Answer

false true

8. Predict the output for the following code:

```java
public class Main {
    public static void main(String[] args) {
        float a = 10.0f;
        String temp = Float.toString(a);
```

```
    System.out.println(temp);
    }
}
```

Answer

10.0

Status : Correct   *Marks : 1/1*

9. Predict the output for the following code.

```
public class Main {
    public static void main(String[] args) {
        String a = "java";
        char temp = a.charAt(1);
        System.out.println(temp);
    }
}
```

Answer

a

Status : Correct   *Marks : 1/1*

10. What will be the output of the following program?

```
class Main {
    public static void main(String[] args) {
        String s = new String("5");
        System.out.println(1 + 1111 + s + 1 + 1010);
    }
}
```

Answer

1112511010

Status : Correct   *Marks : 1/1*

11. What will be the output of the following program?

```java
public class Main {
  public static void main(String[] args) {
    String str = "1234.34";
    int a = Integer.parseInt(str);
    System.out.println(a);
  }
}
```

Answer

NumberFormatException

Status : Correct   *Marks : 1/1*

12. What will be the output for the following code?

```java
class Main {
  public static void main(String[] args) {
  String languages[] = { "C", "C++", "Java", "Python", "Ruby"};
    for (String sample: languages) {
       System.out.println(sample);
    }
  }
}
```

Answer

CC++JavaPythonRuby

Status : Correct   *Marks : 1/1*

13. What will be the output of the following program?

```java
class Main {
  public static void main(String args[]) {
    StringBuffer sb = new StringBuffer("Hello");
    System.out.println("buffer = " + sb);
    System.out.println("length = " + sb.length());
    System.out.println("capacity = " + sb.capacity());
  }
```

```
}
```

Answer

buffer = Hellolength = 5capacity = 21

Status : Correct   *Marks : 1/1*

14. What will be the output of the following program?

```
class Main {
   public static void main(String args[])  {
      String name="Work Hard";
      name.concat("Success");
      System.out.println(name);
   }
}
```

Answer

Work Hard

Status : Correct   *Marks : 1/1*

15. What will be the output of the following code?

```
class Main {
   public static void main(String args[])
   {
      StringBuffer sb = new StringBuffer("Hello");
      System.out.println("buffer before = " + sb);
      System.out.println("charAt(1) before = " + sb.charAt(1));
      sb.setCharAt(1, 'i');
      sb.setLength(2);
      System.out.println("buffer after = " + sb);
      System.out.println("charAt(1) after = " + sb.charAt(1));
   }
}
```

Answer

buffer before = HellocharAt(1) before = ebuffer after = HicharAt(1) after = i