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2024_28_III_OOPS Using Java Lab

REC_2028_OOPS using Java_Week 4_MCQ

Attempt : 1
Total Mark : 15
Marks Obtained : 4

Section 1 : MCQ

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

```java
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*

2. 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 equals1 and s3 not equal

Status : Wrong   *Marks : 0/1*

3. Predict the output for the following code.

```java
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

pearpearpear

Status : Wrong   *Marks : 0/1*

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

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

Answer

C, C++, Java, Python, Ruby

Status : Wrong   *Marks : 0/1*

5.   Predict the output for the following code:

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

Answer

I Java like a!

Status : Wrong   *Marks : 0/1*

6. What is the output of the following code?

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

Answer

lo

Status : Wrong   *Marks : 0/1*

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

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

Answer

Runtime Error

Status : Wrong   *Marks : 0/1*

8. 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*

9. 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

Status : Correct   *Marks : 1/1*

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

```
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

j,a,v,aj,a,v,a

Status : Wrong   *Marks : 0/1*

11. 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

1112591010

Status : Wrong   *Marks : 0/1*

12. Predict the output for the following code:

```
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*

13. 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

Compile Time Error

Status : Wrong   *Marks : 0/1*

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

```
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 = 4capacity = 22

Status : Wrong   *Marks : 0/1*

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

```
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

true true