

Assignment - 02 (Core Java)

Q.1 Find the output of following code.

```
public class Test {  
    public static void main(String[] args)  
    {  
        int x = 9, y = 12;  
        int a = 2, b = 4, c = 6;  
  
        int exp = (3 + 4 * x)/5 - 10 * (y - 5) * (a + b + c)/x + 9 * (4/x + (9 + x)/y);  
  
        System.out.println(exp);  
    }  
}
```

Q.2 Find the output of following code.

```
public class Test {  
    public static void main(String[] args)  
    {  
        int x = 200, y = 50, z = 100;  
        if(x > y && y > z)  
        {  
            System.out.println("Hello");  
        }  
    }  
}
```

Q. 3 Find the output of following code.

```
public class Test{  
    public static void main(String[] args)  
    {
```

```

    int x = 1, y = 2, z = 5;
    if(x == 1 || x > y || x > z)
    {
        System.out.println("One");
    }

```

Q.4 Will this code Compile Successfully.? if then guess the output.

```

    public class Test {
        public static void main(String[] args)
        {
            int x, y, z;
            x = y = z = 2;
            x += y;
            y -= z;
            z /= (x + y);
            System.out.println(x + " " + y + " " + z);
        }
    }

```

Q.5 Will this code Compile Successfully.? if then guess the output.

```

    public class Test {
        public static void main(String[] args)
        {
            int x, y, z;
            1 = x;
            y = z = 2;
            int a = x + y + z;
            System.out.println(x + " " + y + " " + z);
        }
    }

```

Q.6 Write a program to check if the two numbers 23 and 45 are equal.

Q.7 Guess the output of the following code.

```
class PrePostDemo {  
    public static void main(String[] args){  
        int i = 3;  
        i++;  
        System.out.println(i); // "4"  
        ++i;  
        System.out.println(i); // "5"  
        System.out.println(++i); // "6"  
        System.out.println(i++); // "6"  
        System.out.println(i); // "7"  
    }  
}
```

Q.8 Guess the output of the following code.

```
public class DemoOnOperators  
{  
    public static void main(String[] args)  
    {  
        int i = 7;  
        int output = ++i + ++i + ++i;  
        System.out.println(output);  
    }  
}
```

Q.9 What will be the output of the following program?

```
class IncDec  
{  
    public static void main(String s[])  
    {  
  
        int a = 1;  
        int b = 2;
```

```

    int c;
    int d;

    c = ++b;
    d = a++;
    c++;

    System.out.println("a = " + a);
    System.out.print("b = " + b);
    System.out.println("c = " + c);
    System.out.print("d = " + d);
}
}

```

Q.10

```

public class Sample {
    public static void main(String args[]) {
        int val1 = 10;
        int val2 = 20;
        int val3 = 30;
        int val4 = 40;

        int result1, result2, result3, result4;
        result1 = ++val1;
        result2 = val2++;
        result3 = --val3;
        result4 = val4--;

        System.out.println("Value 1 = " + val1);
        System.out.println("Value 2 = " + val2);
        System.out.println("Value 3 = " + val3);
        System.out.println("Value 4 = " + val4);

        System.out.println("Result 1 = " + result1);
    }
}

```

```
System.out.println("Result 2 = " + result2);  
System.out.println("Result 3 = " + result3);  
System.out.println("Result 4 = " + result4);  
}  
}
```