

Object Oriented Programming Using - JAVA

PRACTICAL – 2

Aim: Write a program in Java to find maximum of three numbers using conditional operator.

Theory: In this practical, we use Java to find the **maximum of three numbers** by applying the **conditional (ternary) operator**, which is a shorthand way of writing simple if-else conditions. The syntax of the conditional operator is:

(condition) ? value_if_true : value_if_false;

Using nested conditional operators, we compare the three numbers and determine which one is the largest. This approach helps in understanding conditional logic, operator precedence, and how to simplify decision-making in Java programs.

Code:

```
public class max
{
    public static void main(String[] args)
    {
        int a = 11, b = 25, c = 23, max;
        max = (a > b) ? (a > c ? a : c) : (b > c ? b : c);
        System.out.println("Max no. among " + a + ", " + b + " and " + c + " is " + max);
    }
}
```

Output:

Max no. among 11, 25 and 23 is 25

Conclusion: This practical introduced the use of the conditional operator to solve logical problems efficiently. We successfully applied it to find the maximum among three numbers, reinforcing our understanding of decision-making constructs in Java.