

# JAVA PROGRAMMING

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## Experiment No. 2

**Objectives:** To understand concept of method overloading in Java.

```
// Experiment No.1
// Name: Shubham Dhumal
// Class: SY-IT C
// Roll No.: 23
// Objective: To understand concept of method overloading in Java.

class Calculator {

    // Method to calculate sum of two integers
    public int calculate(int a, int b) {
        return a + b;
    }

    // Method to calculate product of three integers
    public int calculate(int a, int b, int c) {
        return a * b * c;
    }

    public static void main(String[] args) {
        Calculator calc = new Calculator();

        // Testing sum of two numbers
        int sum = calc.calculate(5, 10);
        System.out.println("Sum of 5 and 10: " + sum);

        // Testing product of three numbers
        int product = calc.calculate(2, 3, 4);
        System.out.println("Product of 2, 3, and 4: " + product);
    }
}
```

OUTPUT:

```
"C:\Program Files\Java\jdk-23\bin\java.exe"
Sum of 5 and 10: 15
Product of 2, 3, and 4: 24

Process finished with exit code 0
```