

Practical No. 3(A)

Program :

```
interface Calculator {
    double operate(double a, double b);
}

public class Prac3A {
    public static void main(String[] args) {
        Calculator add = (a, b) -> a + b;
        Calculator subtract = (a, b) -> a - b;
        Calculator multiply = (a, b) -> a * b;
        Calculator divide = (a, b) -> {
            if (b == 0) {
                throw new IllegalArgumentException("Cannot divide by zero");
            }
            return a / b;
        };

        double x = 10;
        double y = 5;

        System.out.println("Addition: " + add.operate(x, y));
        System.out.println("Subtraction: " + subtract.operate(x, y));
        System.out.println("Multiplication: " + multiply.operate(x, y));
        System.out.println("Division: " + divide.operate(x, y));
    }
}
```

Output :

```
Addition: 15.0
Subtraction: 5.0
Multiplication: 50.0
Division: 2.0
```