

**Assignment 2:** Write a calculator program to perform add, subtract, multiply and divide operations by receiving the values as command line arguments

### Main Method

```
public class CalculatorApp2 {  
    public static void main(String[] args) {  
  
        if (args.length != 3) {  
            System.out.println("Usage: java Calculator <operand1> <operand2><operation>");  
            System.exit(1);  
        }  
  
        double x = Double.parseDouble(args[0]);  
        double y = Double.parseDouble(args[1]);  
        String operation = args[2];  
        double result = 0.0;  
  
        switch (operation) {  
  
            case "add":  
                result = x+y;  
                break;  
  
            case "sub":  
                result = x-y;  
                break;  
  
            case "mul":  
                result = x * y;  
                break;  
  
            case "div":  
                try {  
                    if(y==0) throw new Exception("Cannot divide by zero");  
                    result = x / y;  
                } catch (Exception e) {  
                    System.out.println(e.getMessage());  
                    System.exit(1);  
                }  
                break;  
  
            default:  
                System.out.println("Invalid operation. Choose from 'add', 'subtract', 'multiply', or 'divide'.");  
                System.exit(1);  
        }  
  
        System.out.println("Result: " + result);  
    }  
}
```

**Out Put:**

**Command line input:** 9 2 div

**Result:** 4.5