

Assignment-1. Create a Java program that acts as a simple calculator. ● The program should prompt the user to enter two numbers and an operator (+, -, *, /). ● Perform the corresponding calculation based on the operator. ● Handle potential exceptions, such as division by zero or invalid operator input. ● Display the result or an appropriate error message.

Program:

```
package javaprograms;

import java.util.Scanner;

public class Calculator
{
    public static void main(String[] args)
    {
        Scanner scanner = new Scanner(System.in);

        try {

            System.out.println("Enter the first number: ");
            int num1 = scanner.nextInt();

            System.out.println("Enter the second number: ");
            int num2 = scanner.nextInt();

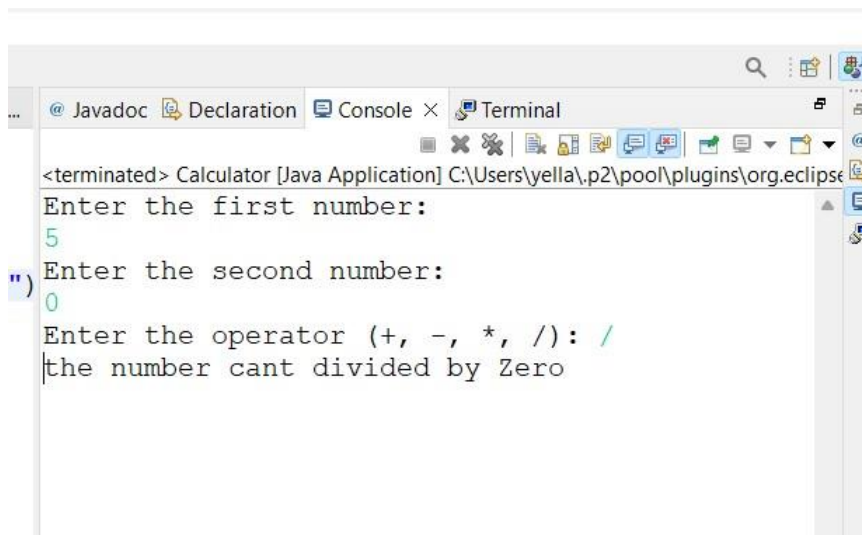
            System.out.print("Enter the operator (+, -, *, %): ");
            char operator = scanner.next().charAt(0);

            int result;
            switch (operator) {
                case '+':
                    result = num1 + num2;
                    break;
                case '-':
                    result = num1 - num2;
                    break;
                case '*':
                    result = num1 * num2;
                    break;
                case '/':
                    result = num1 % num2;
                    break;

                default:
                    System.out.println("Error ");
                    return;
            }
            System.out.println("Result: " + result);
        }
    }
}
```

```
    }  
    catch (Exception e) {  
        System.out.println("the number cant divided by Zero");  
    } finally {  
    }  
}  
}
```

Output:



```
<terminated> Calculator [Java Application] C:\Users\yella\.p2\pool\plugins\org.eclipse  
Enter the first number:  
5  
Enter the second number:  
0  
Enter the operator (+, -, *, /): /  
the number cant divided by Zero
```