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Session1

Project;- Constructing an arithmetic calculator

Project objective:

As a developer, write a program to create an arithmetic calculator.

Background of the problem statement:

As a developer, write a Java code to create a calculator to perform the four basic arithmetic operations (addition, subtraction, multiplication, and division).

Using if else loop:-

```
package com.simplilearn.demo;

import java.util.Scanner;

public class ifcal {
    public static void main(String[] args) {
        char operator ;
        int num1, num2 , result;
        Scanner sc= new Scanner(System.in);
        System.out.println("Enter first num");
            num1 = sc.nextInt();

            System.out.println("Enter second num");
            num2 = sc.nextInt();

            System.out.println("Choose an operator: +, -, *, or /");
            operator = sc.next().charAt(0);
            if(operator=='+') {
                result = num1 + num2;
                System.out.println(num1 + " + " + num2 + " = " + result);
            }else if(operator=='-') {
                result = num1 - num2;
                System.out.println(num1 + " - " + num2 + " = " + result);
            }
            else if(operator=='*') {
                result = num1 * num2;
                System.out.println(num1 + " * " + num2 + " = " + result);
            }
            else if(operator=='/') {
                result = num1 / num2;
                System.out.println(num1 + " / " + num2 + " = " + result);
            }
    }
}
```