**Creating an Arithmetic Calculator**

DESCRIPTION

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).

**You must use the following:**

* Eclipse/IntelliJ: An IDE to code for the application
* Java: A programming language
* Git: To connect and push files from the local system to GitHub
* GitHub: To store the application code and track its versions
* Core Java concepts: Variables, data types, operators, type casting, control statements, class, objects, access specifiers, and core keywords like final, this, and static

**Following requirements should be met:**

* The versions of the code should be tracked on GitHub repositories.
* The *calculator*should work properly.

**import** java.io.\*;

**import** java.lang.\*;

**import** java.lang.Math;

**import** java.util.Scanner;

**public** **class** ArithmeticCalculator {

**public** **static** **void** main(String[] args)

{

//storing two numbers

**double** n1, n2;

//Get the input from the user

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter the numbers");

//Take in the numbers

n1 = sc.nextDouble();

n2 = sc.nextDouble();

System.***out***.println("Enter the operator (+,-,\*,/)");

**char** op = sc.next().charAt(0);

**double** out = 0;

**switch**(op) {

//adding two numbers

**case** '+':

out = n1 + n2;

**break**;

//subtracting two numbers

**case** '-':

out = n1 - n2;

**break**;

//multiplying two numbers

**case** '\*':

out = n1\*n2;

**break**;

//dividing two numbers

**case** '/':

out = n1/n2;

**break**;

**default**:

System.***out***.println("You entered wrong inputs.");

**break**;

}

System.***out***.println("The final result:");

System.***out***.println();

//printing the final result

System.***out***.println(n1 +" "+ op +" "+ n2 + " = " + out);

}

}