

ARITHMETIC CALCULATOR PERFORMING BASIC OPERATIONS(+,-,*,/)

In this Exercise, I have created an arithmetic Calculator using :

- Eclipse: 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, Switch Statements.

This Calculator will perform the basic arithmetic operations which are addition, subtraction, multiplication, and division.

The Scanner class of the java.util package is used to read the input data from different sources.

Using the Scanner class, I take the input from the user for num1 and num2 (both of type double) and the operator (of type char)

After the user enters the values, I use the Switch Statement to perform the arithmetic Calculations.

A switch statement is a controlling statement that executes one statement in multiple conditions.

Based on the operator value that has been entered by the user, The program performs the necessary calculations:

1. If the user has entered '+' then the output is as follows
2. If the user has entered '-' then the output is as follows
3. If the user has entered '*' then the output is as follows
4. If the user has entered '/' then the output is as follows
5. If the user has entered something else apart from +,-,*,/ the output is as follows:

At the end of the switch statement, I have used input.close()

The **close()** is a method of **Java Scanner** class which is used to closes this scanner.

