**package** com.simplilearn.arithmetic;

**import** java.util.Scanner;

**public** **class** Calculator {

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

**char** option;

Double num1, num2, result;

// create an object of Scanner class

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

// ask users to enter operator

System.***out***.println("Choose an option: 1.Addition,2.Substraction,3.Multiplication,4.Division");

option = input.next().charAt(0);

// ask users to enter numbers

System.***out***.println("Enter first number");

num1 = input.nextDouble();

System.***out***.println("Enter second number");

num2 = input.nextDouble();

**switch** (option) {

// performs addition between numbers

**case** '1':

result = num1 + num2;

System.***out***.println(num1 + " + " + num2 + " = " + result);

**break**;

// performs subtraction between numbers

**case** '2':

result = num1 - num2;

System.***out***.println(num1 + " - " + num2 + " = " + result);

**break**;

// performs multiplication between numbers

**case** '3':

result = num1 \* num2;

System.***out***.println(num1 + " \* " + num2 + " = " + result);

**break**;

// performs division between numbers

**case** '4':

result = num1 / num2;

System.***out***.println(num1 + " / " + num2 + " = " + result);

**break**;

**default**:

System.***out***.println("Invalid option!");

**break**;

}

input.close();

}

}