**package** project1;

**import** java.util.Scanner;

**class** Main {

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

**char** operator;

Double number1, number2, result;

// create an object of Scanner class

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

// ask users to enter operator

System.***out***.println("Choose an operator: +, -, \*, or /");

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

// ask users to enter numbers

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

number1 = input.nextDouble();

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

number2 = input.nextDouble();

**switch** (operator) {

// performs addition between numbers

**case** '+':

result = number1 + number2;

System.***out***.println(number1 + " + " + number2 + " = " + result);

**break**;

// performs subtraction between numbers

**case** '-':

result = number1 - number2;

System.***out***.println(number1 + " - " + number2 + " = " + result);

**break**;

// performs multiplication between numbers

**case** '\*':

result = number1 \* number2;

System.***out***.println(number1 + " \* " + number2 + " = " + result);

**break**;

// performs division between numbers

**case** '/':

result = number1 / number2;

System.***out***.println(number1 + " / " + number2 + " = " + result);

**break**;

**default**:

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

**break**;

}

input.close();

}

}