**package** Basic;

**import** java.util.Scanner;

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

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

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

**char** **operator**;

**double** **num1**, **num2**, **result**;

**System**.***out***.print("Enter an operator (+, -, \*, /): ");

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

**System**.***out***.print("Enter two numbers: ");

num1 = scanner.nextDouble();

num2 = scanner.nextDouble();

**switch** (operator) {

**case** '+':

result = num1 + num2;

**System**.***out***.println("Result: " + result);

**break**;

**case** '-':

result = num1 - num2;

**System**.***out***.println("Result: " + result);

**break**;

**case** '\*':

result = num1 \* num2;

**System**.***out***.println("Result: " + result);

**break**;

**case** '/':

**if** (num2 != 0) {

result = num1 / num2;

**System**.***out***.println("Result: " + result);

} **else** {

**System**.***out***.println("Error: Division by zero is not allowed.");

}

**break**;

**default**:

**System**.***out***.println("Error: Invalid operator.");

**break**;

}

scanner.close();

}

}