**6:- Write a program to implement a basic calculator that takes input as a string expression and evaluates it.**

Program: **package** prac7;

**import** java. util.Scanner;

**public** **class** calculator {

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

// **TODO** Auto-generated method stub

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

**int** ans = 0;

**while** (**true**){

System.***out***.print("Enter operators = ");

**char** op = in.next().trim().charAt(0);

**if** (op == '+' || op == '-' || op == '\*' || op=='/' || op=='%') {

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

**int** num1 = in.nextInt();

**int** num2 = in.nextInt();

**if** (op == '+') {

ans = num1 + num2;

}

**if** (op == '-') {

ans = num1 - num2;

}

**if** (op == '\*') {

ans = num1 \* num2;

}

**if** (op == '/') {

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

ans = num1 / num2;

}

}

**if** (op == '%') {

ans = num1 % num2;

}

}**else** **if** (op=='X' || op=='x') {

**break**;

}**else** {

System.***out***.println("Invalid Operation");

}

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

}

}

}

Output: 