**import** java.util.Scanner;

**public** **class** arith\_cal {

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

// data type deleared

**double** first\_input;

**double** second\_input;

**double** result;

**char** operator;

System.***out***.print("Enter any two number to perform operation = ");

// oblect created to take the input

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

//typecasting used

first\_input = (**float**)scan.nextDouble(); //explicit typecast

second\_input = (**double**) scan.nextFloat(); //implicit typecast

System.***out***.print("choose any operator for operation (+, -, \*, /)= ");

// oblect created to take the input

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

**switch** (operator) {

**case** '+':

result = (first\_input + second\_input);

**break**;

**case** '-':

result = (first\_input - second\_input);

**break**;

**case** '\*':

result = (first\_input \* second\_input);

**break**;

**case** '/':

result = (first\_input / second\_input);

**break**;

**default**:

System.***out***.printf("incorrect operator chosen");

**return**;

}

//Result is displayed

System.***out***.print("Result:" + first\_input + " " + operator + " " + second\_input + " = " + result);

}

}