

<https://panchalprogrammingacademy.github.io/course-problem-deck/#/problem/5fafe0e633661e001765c64c>

Evaluate binary expression

50 POINTS

Given a binary operation find out the result.

Input format:

A single line of input containing an integer followed by a character followed by another integer.

Output format:

A single line of output containing the result of the expression as follows:

- (i) if operator is +, -, or * then perform the operation and display the result
- (ii) if operator is % or / then check if the second operator is zero:

- 1. if the second operator is zero then print "Division by zero error!"

- 2. if the second operator is non-zero then display the result

- (iii) if the operator does not match any cases above then display "Invalid operand!"

- (iv) display the result up-to 6-digits after the decimal place

Constraints:

- (i) input is such that if the operation can be performed then results will never overflow

Test Case - 1

1+2

3.000000

Test Case - 2

-1--2

1.000000

Test Case - 3

5/2

2.500000

Test Case - 3

5/0

Division by zero error!

NOTE:

- (i) use switch-case instead of if-else
- (ii) use only primary data types (do not use strings)

Problem tags:

THE COMPLETE C COURSE

EASY

FORMATTED-INPUT