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// hello programmer this is a small calculator I made for calc the (+ _ *
? ^ and sqrt)
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// For Assignment 2 task-2 to FCAI Cairo University in Egypt

#include <iostream>
#include <cmath>

// to write it just a once
using namespace std;
int main() {
    // the operator (+ _ * ? ^ and sqrt)
    char op;

    // number 1 and 2
    int num1, num2;

    // welcome messege and how to use the calc
    cout << " Ahlan ya user ya Habibi \n"
        "I am number calc \n"
        "Please enter the math problem to solve\n"
        "\n"
        "Note :\n"
        "+ addition \n"
        "- subtracting \n"
        "/" dividing\n"
        "*" multiply\n"
        "% modelos\n"
        "^ power\n"
        "s sqrt\n";

    // input
    cout << "enter a number and then an operator and then a number : \n ";
    cin >> num1 >> op >> num2;

    // using break for make only one switch then stop
    switch (op) {

    // if the op is [+] it' s add
        case '+':
            cout << "The value of " << num1 << " + " << num2 << " = " <<
num1 + num2;
            break;

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// if the op is [-] it' s subtract
    case '-':
        cout << "The value of " << num1 << " - " << num2 << " = " <<
num1 - num2;
        break;
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