

Problem Statement:- Develop a calculator program that performs basic arithmetic operations such as addition, subtraction, multiplication, and division. Allow the user to input two numbers and choose an operation to perform.

```
#include <iostream>

using namespace std;

int main() {
    char operations;
    double num1, num2;

    cout << "Enter an operator (+, -, *, /): ";
    cin >> operations;

    cout << "Enter two numbers: ";
    cin >> num1 >> num2;

    switch (operations) {
        case
        '+':
            cout << num1 << " + " << num2 << " = " << num1 + num2 <<
endl;
            break;
        case
        '-':
            cout << num1 << " - " << num2 << " = " << num1 - num2 <<
endl;
            break;
        case
        '*':
            cout << num1 << " * " << num2 << " = " << num1 * num2 <<
endl;
            break;
        case
        '/':
            if (num2 == 0) {
                cout << "Error: Division by zero" << endl;
            } else {
                cout << num1 << " / " << num2 << " = " << num1 /
num2 << endl;
            }
            break;
        default:
```

```
        cout << "Invalid operator" << endl;
    }
    return 0;
}
```

