```cpp
// CALCULATOR.cpp : Defines the entry point for the console application.
//

#include "stdafx.h"

#include<iostream>

int _tmain(int argc, _TCHAR* argv[])
{
        double num1, num2;

    char operation;

    std::cout << "Enter the first number: ";

    std::cin >> num1;

    std::cout << "Enter the second number: ";

    std::cin >> num2;

    std::cout << "Select an operation (+, -, *, /): ";

    std::cin >> operation;

    double result;

    switch (operation) {
        case '+':

            result = num1 + num2;

            break;

        case '-':

            result = num1 - num2;

            break;

        case '*':

            result = num1 * num2;

            break;

          case '/':

                if (num2 =! 0)

                {

                result = num1 / num2;
                }

                else
                {
```

```cpp
                    std::cout <<"division by zero is not allowed"<< std::endl;

                    return 1;
                }
        break;

            default:

                std::cout<<"invalid operation"<<std::endl;

                return 1;


    }

    std::cout << "Result: " << result << std::endl;


        system("pause");

    return 0;
}
```