**Domain - C/C++ Programming**

**Project Title: simple calculator**

#include <iostream>

using namespace std;

int main() {

char operation;

double num1, num2, result;

cout << "Enter operator (+, -, \*, /): ";

cin >> operation;

if (operation != '+' && operation != '-' && operation != '\*' && operation != '/') {

cout << "Invalid operator. Please enter +, -, \*, or /." << endl;

return 1; // Exit with error code 1

}

cout << "Enter first number: ";

cin >> num1;

cout << "Enter second number: ";

cin >> num2;

switch (operation) {

case '+':

result = num1 + num2;

break;

case '-':

result = num1 - num2;

break;

case '\*':

result = num1 \* num2;

break;

case '/':

// Check for division by zero

if (num2 == 0) {

cout << "Error: Division by zero is not allowed." << endl;

return 1; // Exit with error code 1

}

result = num1 / num2;

break;

}

// Display the result

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

return 0; // Exit successfully

}