PROJECT REPORT

C++ SIMPLE CALCULATOR

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C++ Project: Simple Calculator

A simple calculator is a basic application that performs arithmetic operations such as addition, subtraction, multiplication, and division. This project demonstrates input handling, switch-case usage, and arithmetic operations in C++.

C++ Source Code:

```cpp
#include <iostream>
using namespace std;

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

    cout << "Enter first number: ";
    cin >> num1;
    cout << "Enter an operator (+, -, *, /): ";
```

```cpp
    cin >> op;

    cout << "Enter second number: ";
    cin >> num2;

    switch(op) {
        case '+':
            cout << "Result = " << num1 + num2;
            break;
        case '-':
            cout << "Result = " << num1 - num2;
            break;
        case '*':
            cout << "Result = " << num1 * num2;
            break;
        case '/':
            if(num2 != 0)
                cout << "Result = " << num1 / num2;
            else
                cout << "Error! Division by zero.";
            break;
        default:
            cout << "Invalid operator!";
    }

    return 0;
}
```