

SIMPLE CALCULATOR

```
#include <iostream>
```

```
using namespace std;
```

```
int main() {
```

```
    double num1, num2;
```

```
    char operation;
```

```
    // Displaying options to the user
```

```
    cout << "Enter first number: ";
```

```
    cin >> num1;
```

```
    cout << "Enter second number: ";
```

```
    cin >> num2;
```

```
    cout << "Enter an operation (+, -, *, /): ";
```

```
    cin >> operation;
```

```
    // Performing the operation based on user input
```

```
    switch (operation) {
```

```
        case '+':
```

```
            cout << "Result: " << num1 + num2 << endl;
```

```
            break;
```

```
        case '-':
```

```
            cout << "Result: " << num1 - num2 << endl;
```

```
        break;
    case '*':
        cout << "Result: " << num1 * num2 << endl;
        break;
    case '/':
        if (num2 != 0) {
            cout << "Result: " << num1 / num2 << endl;
        } else {
            cout << "Error: Division by zero is not allowed." <<
endl;
        }
        break;
    default:
        cout << "Error: Invalid operation." << endl;
        break;
}

return 0;
}
```