INPUT

Project2 - Calculator(Stack)   (Global Scope)   main()

```cpp
#include <iostream>
#include <string.h>
#include <math.h>
#include "Calculator.h"

using namespace std;

int main() {
    cout << "[Myo Aung:} Calculator Enter 0 to exit the program." << endl;
    while(true) {
    string input;
    cout << "Enter an expression: ";
    getline(cin, input);
    if (input == "0") {
        break;
    }
    Calculator cal(input);
    cout << "Postfix expression: " << cal.postfix() << endl;
    cout << "Result: "  << cal.eval() << endl;
    }
    cout << "Thanks for using my calculator." << endl;
    return 0;
}
```

```
Microsoft Visual Studio Debug Console
[Myo Aung:} Calculator Enter 0 to exit the program.
Enter an expression: 17 / ( 2 + 3 ) - 13
Postfix expression: 17 2 3 + / 13 -
Result: -10
Enter an expression: 5 * 2 ^ 3
Postfix expression: 5 2 3 ^ *
Result: 40
Enter an expression: 2 ^ 3 ^ 2
Postfix expression: 2 3 2 ^ ^
Result: 512
Enter an expression: 0
Thanks for using my calculator.
```

EXTRA CREDIT (A mismatched expression)

```
[Myo Aung:} Calculator Enter 0 to exit the program.
Enter an expression: 5 * ( 2 + 3
Invalid expression missing right parenthesis.
Postfix expression:
Result: 0
Enter an expression: 0
Thanks for using my calculator.
```