In this project, you will implement a calculator which could do calculation. The input of this calculator should be in the format of infix notation:

\[(6 + 13)*2 - (5 + 1)/3\]

To evaluate an infix expression, the calculator first converts the expression to postfix notation, and then evaluate it. The format of postfix notation of the above input is:

```
6 13 + 2 * 5 1 + 3 / -
```

The following arithmetic operations are allowed in an expression: +, -, *, /.

The program should read the infix input from the standard input, print the expression in the postfix format on the screen, and then print the evaluated value of the expression.

To make the program simple, the following rule apply to the input:

- The input string is syntactically and semantically correct. In other words, you needn't worry about input such as "1+2*" or "1/0".

Submit: finalProject.cpp