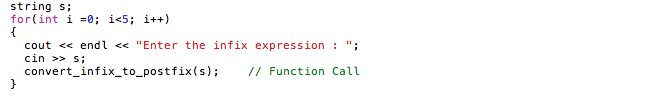
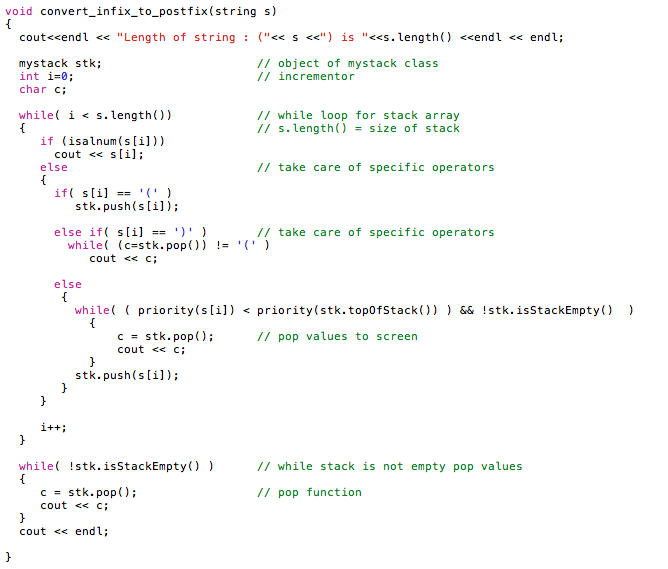
**Project 3A – Problem and Description**

In this portion of Project 3 the task was to input an arithmetic expression (1), convert it to postfix and print the postfix (2). It was also meant to be repeated 5 times.

1. This task was accomplished by asking the using to enter in the expression to be translated to postfix expression:



1. Then declare a space for the variable on the stack and loop through the expression placing the values of the expression onto the stack. There was a specific function for dealing with operators. After taking care of the operators it pops the expression to the screen in the order that it appears on the stack.



**Project 3A – Input and Output**

Enter the infix expression : 3\*X+(Y-12)-Z

Length of string : (3\*X+(Y-12)-Z) is 12

3X\*Y12-Z-+

Enter the infix expression : 5+9+7

Length of string : (5+9+7) is 5

597++

Enter the infix expression : (7+(3\*5))-4

Length of string : ((7+(3\*5))-4) is 11

735\*+4-

Enter the infix expression : 3-5+7\*4

Length of string : (3-5+7\*4) is 7

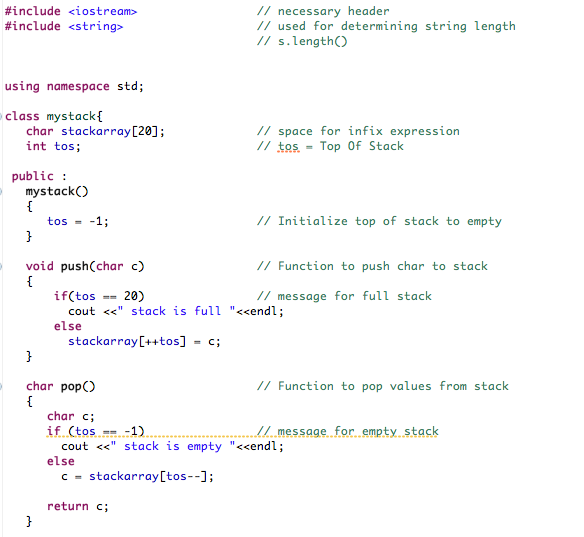
3574\*+-

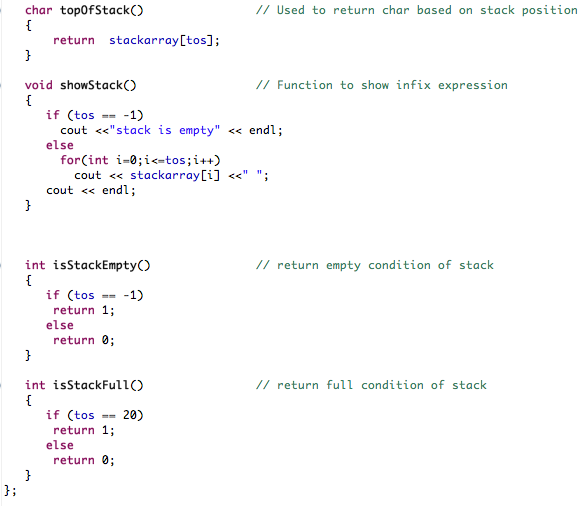
Enter the infix expression : (2+3)\*7

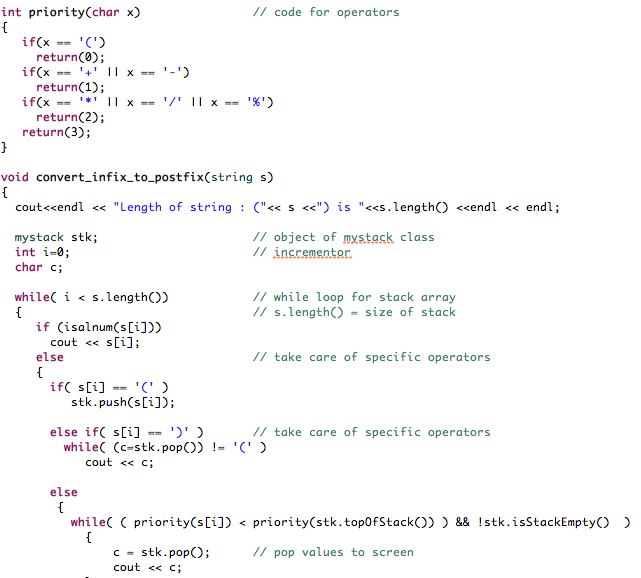
Length of string : ((2+3)\*7) is 7

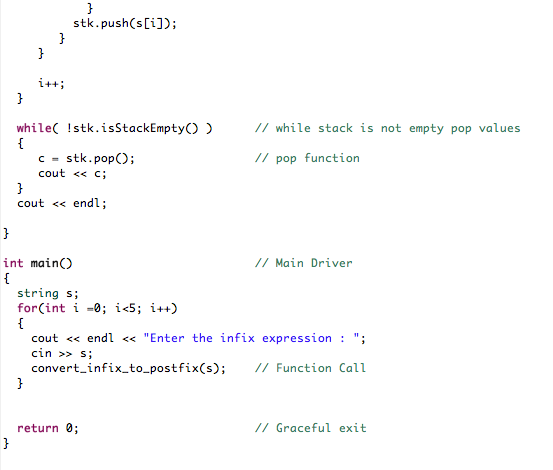
23+7\*

**InfixtoPostfix.cpp**

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