Assignment 3 Due date: 9/08/2016

1]Write a method duplicateStack that returns a new stack containing the same elements and in the same order as the stack specified in the parameter. The method should create a new stack and fill it with the same data elements as the given stack. (You do not need to duplicate the contents of the elements.). Before the method finishes, it must restore the contents of the original stack to its original state (same contents in the same order).

2 a) Write a program to convert an infix expression of integers into its equivalent postfix and prefix notation using stack.

b) Write a program to evaluate a postfix expression.

(Note: Integers can be of more than one digit)