PROBLEM SET 4

1. Write a function to check if an input expression with opening and closing braces of various types is balanced or not.

e.g. input : ((a+b)-(c+d))\*((a-b)+(c-d)) balanced !(braces are used correctly)

e.g. 2 : input : (a+b)-(c-d)) , false! Missing opening bracket!

e.g. 3 : input : (a+b)+(c-d false! missing closing bracket

e.g. 4: input: (a+b] false! bracket mismatch

1. Convert an infix expression to postfix expression.(Assume expression only contains [( , ) , +,-,\*,/,%] and operands.
2. Write a function to evaluate a postfix expression.
3. Reverse a stack using only standard stack operations (push and pop).**Constraint: In place??**
4. Implement a queue using two stacks.
5. Implement a stack using two queues.
6. Sort an input stack using only standard stack operations(Stack top should be maximum and bottom minimum).