Stack - Take Home Problems

Do the given problems using JavaScript.

1. Write a Program to check for valid parentheses?

   Example: Input: "((()"

          Output: false

          Input: "()()"

          Output: true

2. Write a Program to convert an Infix expression to Postfix expression.

   Explanation:-

   Expression of the form an operator b (a+b) is referred to as an infix expression. every time an operator is sandwiched between two operands.

   The expression with the form a b operator (ab+) is known as a postfix expression. when each set of operands is followed by an operator.

3. Write a Program to evaluate the Postfix Expression.

   Example: Input: "2*5"

          Output: 10

4. Write a Program to find the largest area in a histogram figure using Stack?