Stack

1. Implement stack and its operations using array. Provide functions isempty(), isfull() for check empty and full condition of the stack.
2. Write a program to check the whether a parenthesis nesting of an expression is valid or not using stack.
3. Write a program to copy the contents of one stack to another. After copying, the content of the first stack should be intact.
4. Write a program to evaluate a postfix expression.
5. Write a program to convert an infix expression to post fix expression.
6. Design a data structure that supports the stack Push and Pop operations and a third operation FindMin, which returns the smallest element in the data structure, all in O(1) time.