Session-3 Lab

1. Write a Java program to check if a given string is a palindrome. Use a stack to help you compare characters from the beginning and end of the string. Do not use any String functionalities to reverse the String. Use Stack data structure. You can use (A string is called Palindrome if the reverse of the string is the same as the original string. Example: "racecar".).

2. Create a Java class called MinStack of Integers that supports standard stack operations (push, pop, top, and isEmpty) and also provides a getMin method that returns the minimum element in the stack. (Hints: Keep another stack that will hold the minimum value on the top of the stack).