**Assignment 03**

**Q1**. Program to check the occurrence of character in a sentence using lastIndexOf() method.

package com.company;  
  
import java.util.Scanner;  
public class Assignment\_03 {  
 public static void main(String[] args)  
 {  
 Scanner sc = new Scanner(System.*in*);  
 System.*out*.println("Enter a Sentence: ");  
 String senetece = sc.nextLine();  
 System.*out*.println("Enter a Character to Search: ");  
 String character = sc.nextLine();  
 int count = 0;  
 int pos = senetece.length();  
 while((pos=senetece.lastIndexOf(character,pos))!=-1){  
 count++;  
 pos--;  
 }  
 System.*out*.println(character + " occurs " + count + " times.");  
 }  
}

**Q2**. Program to check whether the string is palindrome or not.

package com.company;  
  
import java.util.Scanner;  
public class Assignment\_03 {  
 public static void main(String[] args)  
 {  
 String a, b = "";  
 Scanner s = new Scanner(System.*in*);  
 System.*out*.print("Enter the string you want to check:");  
 a = s.nextLine();  
 int n = a.length();  
 for(int i = n - 1; i >= 0; i--)  
 {  
 b = b + a.charAt(i);  
 }  
 if(a.equalsIgnoreCase(b))  
 {  
 System.*out*.println("The string is palindrome.");  
 }  
 else  
 {  
 System.*out*.println("The string is not palindrome.");  
 }  
 }  
}