Assignment-06
(Assignment on String)

1. Write a Python program to find out the largest and smallest length word in the string provided by the user. Print their length also.

2. Write a Python program that will take input a line/paragraph and replace the occurrence of “a” and “an” by the word “the”.

3. Write a Python program to check if the two strings entered by the user are anagrams or not.

Hints: Two words are said to be anagrams if the letters of one word can be rearranged to form the other word. For example, “AbcD” and “bADc” are anagrams of each other. To solve this store every character of the strings in two list and then compare the list

4. Write a Python program to count the number of characters (character frequency) in a string.
   Sample String : google.com
   Expected Result : g occurs: 2
   o occurs: 3
   l occurs: 1
   l occurs: 1
   . occurs: 1
   c occurs: 1
   m occurs: 1

5. Write a Python program to get a string made of the first 2 and the last 2 chars from a given string. If the string length is less than 2, return instead of the empty string.
   Sample Input: Programming **Sample Output:** Prng
   Sample input: A **Sample output:** [Nothing]

6. Assuming that we have some email addresses in the "username@companyname.com" format, write a Python program to print the company name of a given email address. Both user names and company names are composed of letters only.
   Sample Input: john@google.com
   Output: User name: john Company name: google

7. Write a Python program to test whether two given strings are nearly equal or not. Two strings A and B are nearly equal when A can be generated by a single mutation on B.

8. Write a Python program to add 'ing' at the end of a given string (length should be at least 3). If the given string already ends with 'ing' then add 'ly' instead. If the string length of the given string is less than 3, leave it unchanged.
   Sample String : 'abc' Expected Result : 'abcing'
   Sample String : 'string' Expected Result : 'stringly'

9. Write a Python program to remove the n^{th} index character from a nonempty string.

10. Given an input string with the combination of the lower and upper case characters, write a Python program to arrange characters in such a way that all lowercase letters should come first followed by all uppercase characters.
    Sample Input: `PyNaTive` **Expected Output**: `yaivePNT`

11. Write a Python program to make a new string with all the consonants deleted from the string