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**Subject: Python Programing(IT - 605)**

**ASSIGNMENT - 1**

**1.Write a Python program to calculate the length of a string. *Solution*** code

s = input()

# method-1 cnt=0 for \_ in s:

cnt+=1; print(cnt)

#method-2

print(len(s))

#method-3

ls = list(s) print(len(ls))

Sample Input : hello Sample Output: 5

**2.Write a Python program to get a single string from two given strings, separated by a space and swap the first two characters of each string.**

# SOLUTION

code

s, st = input().split()

new\_s = st[:-1] + s[-1] + " "+ s[:-1] + st[-1] print(new\_s)

Input-Hello World

**QUE 3) .Write a Python program to add ‘ing’ at the end of a given string (length should be at least 3.**

**If the string length of the given string is less than 3, leave it unchanged.**

***SOLUTION:***

code

st = input() l = len(st) if(l>=3):

ch = st[l-3:] if(ch != "ing"):

new\_str = st + "ing"

else: new\_str = st + "ly" print(new\_str)

else: print(st)

**QUE 4) Write a Python function that takes a list of words and returns the length of the longest one. *SOLUTION***

code

word\_list = list(input().split())

maxl = 0 for word in word\_list:

l = len(word) if(maxl< l):

maxl = l print(maxl)

**QUE 5) Write a Python program to count the number of characters (character frequency) in a string.**

# SOLUTION

Code

string = input() count\_dict = {string[0]:0}

for i in range(len(string)):

if string[i] in count\_dict.keys():

count\_dict[string[i]] += 1

else: count\_dict[string[i]] = 1 print(count\_dict)

**QUE 6) Write a Python program to change a given string to a new string where the first and last chars have been exchanged.**

# SOLUTION

Code

string = input()

new\_str = string[-1] + string[1:-1] + string[0] print(new\_str)

**QUE 7) Write a Python program to remove the characters which have odd index values of a given string.**

# SOLUTION

Code

st = input() new\_str = ""

for i in range(len(st)): if(i%2==0):

new\_str += st[i] print(new\_str)