**Python Assignment**

**module 3 (chapter 2)**

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

a=input("enter a string")

count=0

for char in a:

count+=1

print("the length of a string is : ",count)

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

def char\_frequency(str1):

dict = {}

for n in str1:

keys = dict.keys()

if n in keys:

dict[n] += 1

else:

dict[n] = 1

return dict

a=input("enter a string")

print(char\_frequency(a))

**3)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**

a=input("enter a string")

b=input("enter another string")

c=b[:2]+a[2:]

d=a[:2]+b[2:]

print(c," ",d)

**4)Write a Python script that takes input from the user and displays that input back in upper and lower cases**

a=input("enter a string")

print("in upper case",a.upper())

print("in lower case",a.lower())

**5)Write a Python program to remove a newline in Python.**

Str1=’hello world\n’

print(str1)

print(str1.rstrip())

**6)Write a Python program to count occurrences of a substring in a string.**

str1 = input("enter a string")

print()

print(str1.count("fox"))

print()

**7) Write a Python program to convert a string in a list.**

Str1=”python is one of the programming language”

Print(str1.split(“ “))

**8)Write a Python program to perform Deletion of a character**

str1=input("enter the string")

n=int(input("enter the place where u want to remove the character"))

fp=str1[:n]

lp=str1[n+1:]

print(fp+lp)

**9) Write a program to print every character of a string entered by user in a new line using loop.**

a=input()

for i in a:

print(i)

**10)Write a program to find the length of the string "refrigerator" without using len function**

a='refrigerator'

count=0

for i in a:

count+=1

print(count)