1. Write a program that accepts a string from user. Your program should count and display number of vowels in that string.

str=input("Enter a String")

length=len(str)

count=0

print("the length of the String is ",length)

for i in range(length):

if str[i] in 'aeiouAEIOU':

count+=1

print("The number vowels in the String is ",count)

**Output**

Enter a Stringmanas

the length of the String is 5

The number vowels in the String is 2

1. Write a program that reads a string from keyboard and display:  
   \* The number of uppercase letters in the string  
   \* The number of lowercase letters in the string  
   \* The number of digits in the string  
   \* The number of whitespace characters in the string

str=input("Enter a String")

length=len(str)

upr=0

lwr=0

white=0

digit=0

for i in range(length):

if str[i].isupper():

upr+=1

elif str[i].islower():

lwr+=1

elif str[i].isdigit():

digit+=1

elif str[i] == ' ':

white+=1

print("The number of uppercase letters in the string=",upr)

print("The number of lowercase letters in the string=",lwr)

print("The number of digits in the string=",digit)

print("The number of whitespace characters in the string=",white)

**Output**

Enter a StringManas Ranjan Bariha 65

The number of uppercase letters in the string= 3

The number of lowercase letters in the string= 14

The number of digits in the string= 2

The number of whitespace characters in the string= 3

**3.**Write a Python program that accepts a string from user. Your program should create and display a new string where the first and last characters have been exchanged.

For example if the user enters the string 'HELLO' then new string would be 'OELLH'

**4.**Write a Python program that accepts a string from user. Your program should create a new string in reverse of first string and display it.

For example if the user enters the string 'EXAM' then new string would be 'MAXE'

**5.**Write a Python program that accepts a string from user. Your program should create a new string by shifting one position to left.