Python Programming - 2304CS401

Lab - 4

String Handling in python.

01) Write a program to find the length of a string with and without using the len function.

In [2]:
```python
str=input("Enter String :")
length=0
for i in str[::-1]:
    length = length + 1
print(f"String is {str} and  Length  is {length}")
```

String is Darshan and Length is 7

02) Write a program to remove ith character from the given string.

In [5]:
```python
str=input("Enter String :")
pos=int(input("Enter Position :"))
n=len(str)
print(f"from postion {pos} Removed Character is : {str[pos-1]}")
for i in range(n):
    if i == pos-1:
        continue
    else:
        print(str[i],end="")
```

from postion 2 Removed Character is : a
Drshan

03) Write a program to count 'R' in this string. "DARSHAN UNIVERSITY".

```
In [9]:  # Using Count Function
         str="DARSHAN UNIVERSITY"
         print(f"No of R in {str} is {str.count('R')}")
```

```
No of R in DARSHAN UNIVERSITY is 2
```

```
In [11]: # Without Count Function
         str="DARSHAN UNIVERSITY"
         countr= 0
         for i in range(len(str)):
             if str[i]== 'R':
                 countr = countr + 1
         print(f"No of R in {str} is {countr}")
```

```
No of R in DARSHAN UNIVERSITY is 2
```

04) Write a program to count the number of vowels in a given string.

```
In [7]:  str=input("Enter String :")
         print(f"String is :{str}")
         vowel=0
         for i in str:
             if(i=='A' or i=='E' or i=='I' or i=='O' or i=='U' or i=='a' or i=='e' o
                 vowel = vowel+1
         print(f"No Of Vowel :{vowel}")
```

```
String is :Darshan University
No Of Vowel :6
```

05) Write a program to print even-length words in a string.

```
In [6]:  str=input("Enter String :")
         print(f"String is :{str}")
         n = str.split()
         for i in n:
             if(len(i)%2==0):
                 print(i)
```

```
String is :Darshan University
University
```

06) Write a program to check given string is palindrome or not.

```
In [4]: no=int(input("Enter no :-"))
        temp=no
        rev=0
        while temp>0:
            dig=temp % 10
            rev=(rev*10)+dig
            temp//=10
        if(no==rev):
            print("Number Is Palindrome.")
        else:
            print("Number Is Not Palindrome.")
```

```
Number Is Palindrome.
```

07) Write a program to do string slicing from left rotate and right rotate the given string by d elements (where d <= n).

```
In [13]: str  = input("Enter String :")
         d = int(input("Enter Position :"))
         leftFirst = str[0 : d]
         leftSecond = str[d : ]
         print(f"Left Rotate : {leftSecond + leftFirst}")
         rightFirst = str[len(str)-d : ]
         rightSecond = str[ 0 : len(str)-d]
         print(f"Right Rotate : {rightFirst + rightSecond}")
```

```
Left Rotate : rshanDa
Right Rotate : anDarsh
```

08) Write a program to reverse the word in a given string.

```
In [13]: str=input("Enter String :")
         print(f"Original String : {str}")
         rev = str.split()[::-1]
         print("Reversed ")
         for i in rev:
             print(i,end=" ")
```

```
Original String : Dhruv Vyas
Reversed
Vyas Dhruv
```