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Python Programming - 2101CS405

Lab - 4

String

01) WAP to check given string is palindrome or not.

In [3]:

```
str = input('Enter a String : ')
rev  = str[::-1]

if rev == str :
    print('Given string is palindrome')
else :
    print('Given string is non-palindrome')
```

```
Enter a String : abhi
Given string is non-palindrome
```

02) WAP to reverse the words in given string.

In [34]:

```
str = input('Enter a string : ')
s = str.split()[::-1]
l = []
for i in s:
    l.append(i)
print(" ".join(l))
```

```
Enter a string : dipesh kanzariya
kanzariya dipesh
```

03) WAP to remove ith character from given string

In [9]:

```
str = input('Enter a strimg : ')
ch = int(input('Enter a charecter which you want to remove : '))
str1 = str[0:ch-1:]
str2 = str[ch::]
print(str1+str2)
```

```
Enter a strimg : dipesh
Enter a charecter which you want to remove : 3
diesh
```

04) WAP to find length of String without using len function.

In [15]:

```
str = input('Enter a string : ')
len = 0
for i in str:
    len += 1
print(len)
```

```
Enter a string : dipesh
6
```

05) WAP to print even length word in string.

In [4]:

```
str = input('Enter a string : ')
str1 = str.split(" ")
for i in str1:
    if len(i) % 2 == 0:
        print(i)
```

```
Enter a string : dipesh kanzariya
dipesh
```

06) WAP to count numbers of vowels in given string.

In [20]:

```
str = input('Enter a string : ')
str1 = str.lower()
count = 0
for i in str1:
    if i == 'a' or i == 'e' or i == 'i' or i == 'o' or i == 'u' :
        count += 1

print(count,'vowels in the string')
```

```
Enter a string : dipesh
2 vowels in the string
```

07) WAP to convert given array to string.

In [23]:

```
arr = ['d' , 'i', 'p', 'e', 's', 'h']
str = ' '.join(arr)
print(str)
```

```
d i p e s h
```

01) WAP to find out duplicate characters in given string.

In [1]:

```
list = []
str1 = input("Enter String: ")
for i in str1:
    if str1.count(i) > 1:
        list.append(i)
element = set(list)
print(element)
```

```
Enter String: dipesh kanzariya
{'a', 'i'}
```

02) WAP to capitalize the first and last character of each word in a string.

In [2]:

```
str1 = input("Enter String : ")
str1 = str1[0].upper()+str1[1:len(str1)-1]+str1[-1].upper()
print(str1)
```

```
Enter String : dipesh kanzariya
Dipesh kanzariyA
```

03) WAP to find Maximum frequency character in String.

In [3]:

```
str1 = input("Enter String : ")
frequency = {}
for i in str1:
    if i in frequency:
        frequency[i] = frequency[i] + 1
    else:
        frequency[i] = 1
result = max(frequency, key=frequency.get)
print(result)
```

```
Enter String : dipesh kanzariya
a
```

04) WAP to find Minimum frequency character in String.

In [4]:

```
str1 = input("Enter String : ")
frequency = {}
for i in str1:
    if i in frequency:
        frequency[i] = frequency[i] + 1
    else:
        frequency[i] = 1
result = min(frequency, key=frequency.get)
print(result)
```

```
Enter String : dipesh kanzariya
d
```

05) WAP to check if a given string is binary string or not

In [5]:

```
str1 = input("Enter String : ")
if str1.count("0")+str1.count("1") == len(str1):
    print("Binary")
else:
    print("Not Binary")
```

```
Enter String : dipesh kanzariya
Not Binary
```

In [ ]:

```

```