Darshan UNIVERSITY

योगः कर्मसु कौशलम्

Python Programming - 2101CS405

Lab - 4

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Division: CSE-4A

Batch: 5

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String

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

```
In [20]:  name = input("Enter name: ")
          revName = name[::-1];
          if name.lower() == revName.lower():
              print("String is Palingdrom")
          else:
              print("String is not Palingdrom")
```

```
String is Palingdrom
```

02) WAP to reverse the words in given string.

```
In [21]:  name = input("Enter name: ")
          print("Reverse Name: ",name[::-1])
```

```
Reverse Name:  yaJ
```

03) WAP to remove ith character from given string

```
In [39]:  name = input("Enter name: ")
          index = int(input("Enter index: "))
          if len(name)>index:
              name = name[:index]+name[index+1:]
              print(name)
          else:
              print("Index out of bound")
```

Ja

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

```
In [42]:  name = input("Enter name: ")
          count = 0
          for i in name:
              count+=1;
          print("Length is: ",count)
```

Length is: 6

05) WAP to print even length word in string.

```
In [46]:  name = input("Enter name: ")
          print(name[1::2])
```

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

```
In [47]:  name = input("Enter String: ")
          count=0
          for i in name:
              if i=='a' or i=='e' or i=='i' or i=='o' or i=='u':
                  count+=1
          print("Vowels are: ",count)
```

Vowels are: 3

07) WAP to convert given array to string.

```
In [51]:  a = ['d','a','r','s','h','a','n']
          name=''
          for i in a:
              name+=i
          print(name);
```

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

```
In [82]:  name = input("Enter String: ")
          for i in name:
              for j in range(name.find(i)+1,len(name)):
                  if name[name.find(i)] == name[j]:
                      print(i, end=" ");
                      break
```

```
a a a
```

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

```
In [99]: name = input("Enter your name: ")
         name = name[0:1].upper()+name[1:len(name)-1]+name[len(name)-1:len(name):].upper(
         print(name)
```

```
RamanI
```

03) WAP to find Maximum frequency character in String.

```
In [119… name = input("Enter your name: ")
         max_fre = name.count(name[0])
         fre_char = name[0];
         for i in name:
             count = name.count(i)
             if(max_fre < count):
                 max_fre = count
                 fre_char = i
         print("Highest frequency is ",max_fre," charactor is ",fre_char)
```

```
Highest frequency is  4  charactor is  d
```

04) WAP to find Minimum frequency character in String.

```
In [118… name = input("Enter your name: ")
         min_fre = name.count(name[0])
         fre_char = name[0];

         for i in name:
             count = name.count(i)
             if(min_fre > count):
                 min_fre = count
                 fre_char = i
         print("Minimum frequency is ",min_fre," charactor is ",fre_char)
```

```
Minimum frequency is  1  charactor is  h
```

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

```
In [129… name = input("Enter binary string: ")
         isBinary = True
         for i in name:
             if i != '0' and i != '1':
                 isBinary = False
                 print(5)
                 break
         if isBinary:
             print("It is a Binary String")
         else:
             print("It is not Binary String")
```

```
It is a Binary String
```

```
In [ ]:
```