rwmdttsty

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Python Programming - 2301CS404

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Lab - 4

1 String

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

[8]:
```
s=input("enter the string")

if(s==(s[::-1])):
    print("palindrome")
else:
    print("not palindrome")
```

```
enter the string abcba
```

```
palindrome
```

1.0.2 02) WAP to reverse the words in the given string.

[9]:
```
s=input("enter the string")
print(s[::-1])
```

```
enter the string khushi
```

```
ihsuhk
```

1.0.3 03) WAP to remove ith character from given string.

[15]:
```
s=input("enter the string")
i=input("ith character")
index=s.index(i)
print(s[0:index]+s[index+1::])
```

```
enter the string khushi
ith character u
```

```
khshi
```

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

[17]:
```
s=input("enter the string")
count=0;
for i in s:
    count=count+1;
print(count)
```

```
enter the string khushi
```

```
6
```

1.0.5 05) WAP to print even length word in string.

[31]:
```
s=input("enter the string")
r=s.split(" ")
for i in r:
    if((len(i))%2==0):
        print(i)
```

```
enter the string khushi patel
```

```
khushi
```

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

[32]:
```
s=input("enter the string")
s=s.lower();
count=0;
for i in s:
    if(i=='a' or i=='e' or i=='i' or i=='u'or i=='o'):
        count=count+1
print(count)
```

```
enter the string Khushi Patel
```

```
4
```

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

[72]:
```
s=input("enter the string");
s=s.split(" ")
for i in s:
    q=i[0].upper();
    q+=i[1:len(i)-1]
    q+=i[len(i)-1:len(i)].upper()
    print(q,end=" ")
```

```
enter the string khushi patel
```

```
KhushI PateL
```

1.0.8 08) WAP to convert given array to string.

[31]:
```
a=['h','e','l','l','o']
b="";
type(a[2])
for i in a :
    # print(i)
    b+=i
print(b)
```

```
hello
```

1.0.9 09) Check if the password and confirm password is same or not.

1.0.10 In case of only case's mistake, show the error message.

[48]:
```
p=input("enter password")
cp=input("enter confirm password")

if(p==cp):
    print("same")
elif(p.lower()==cp or cp.lower()==p or cp.lower()==p.lower()):
    print("cases are not same")
else:
    print("not same ")
```

```
enter password Khushi
enter confirm password KHUSHI

cases are not same
```

1.0.11 10) : Display credit card number.

1.0.12 card no. : 1234 5678 9012 3456

1.0.13 display as : **** **** **** 3456

[21]:
```
card="1234 5678 9012 3456"
s=card[:len(card)-4]
i=0;
while(i!=15):
     if(s[i].isdigit()):
        s=s.replace(s[i],'*')
     else:
         pass
     i=i+1
s+=card[15:]
print(s)
```

```
**** **** **** 3456
```

1.1 11) : Checking if the two strings are Anagram or not.

1.1.1 s1 = decimal and s2 = medical are Anagram

[61]:
```
s1 = "decimal"
s2 = "imimimi"
s=False
if(len(s1)==len(s2)):
    for i in s1:
        if i in s2:
            s=True;
        else:
            s=False

if(s==True):
    print("anagram")
else:
    print("not anagram")
```

```
not anagram
```

1.1.2 12) : Rearrange the given string. First lowercase then uppercase alphabets.

1.1.3 input : EHlsarwiwhtwMV

1.1.4 output : lsarwiwhtwEHMV

[95]:
```
a='EHlsarwiwhtwMV'
up=""
lo=""
for i in a:
    if(i.isupper()):
        up+=i
    else:
        lo+=i
```

```
string=lo+up
print(string)
```

```
lsarwiwhtwEHMV
```