Python Programming - Lab - 4

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Python Programming - 2301CS404

Lab - 4

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1 String

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

[3]:
```
def palindromeCheck(s):
    return str(s) == str(s[::-1])
print(palindromeCheck("jaja"))
```

```
False
```

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

[11]:
```
s = input("enter s : ")
s = s.split(" ")
s = s[::-1]
newS = ""
for i in s:
    newS+=i+" "
print(newS)
```

```
world hello
```

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

[12]:
```
s = input("enter string ")
i = int(input("enter i "))
s = s.replace(s[i],"",1)
print(s)
```

```
hllo
```

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

[14]:
```
s = input("enter string ")
count = -1
for i in s:
    count+=1
print(count)
```

```
4
```

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

[19]:
```
s = input("enter ")
s = s.split()
for i in s:
    if len(i)%2==0:
        print(i)
```

```
hell
```

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

[21]:
```
s = input("enter")
count=0
for i in s:
    if (i == 'a' or i == 'e' or i=='i' or i=='o' or i=='u'):
       count+=1
print(count)
```

```
7
```

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

[40]:
```
s = input("enter ").title().split()
newS = ""
for i in s:
    reversed = i[::-1][0]
    newS += i.removesuffix(reversed) + reversed.capitalize() + " "
print(newS)
```

```
JaY HinD
```

1.0.8 08) WAP to convert given array to string.

[30]:
```
arr = [1,2,3,'om','jay']
s = ""
for i in arr:
    s+=str(i)+" "
print(s)
```

```
1 2 3 om jay
```

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.

[32]:
```
password = input("enter pass")
confirmPassword = input("enter curr pass")
if(password.lower() == confirmPassword.lower()):
    if(password == confirmPassword):
        print("correct")
    else:
        print("case is not correct")
else:
    print("wrong pass")
```

```
case is not correct
```

1.0.11 10) : Display credit card number.

1.0.12 card no. : 1234 5678 9012 3456

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

[36]:
```
cardNo = "1234 5678 9012 3456".split()
print(f"**** **** **** {cardNo[len(cardNo)-1]}")
```

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

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

1.0.15 s1 = decimal and s2 = medical are Anagram

[38]:
```
s1 = "decimal"
s2 = "medical"
if(sorted(s1) == sorted(s2)):
    print("anagram")
else:
    print("not anagram")
```

```
not anagram
```

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

1.0.17 input : EHlsarwiwhtwMV

1.0.18 output : lsarwiwhtwEHMV

[42]:
```
s = "EHILshshdWEWEsjsdj"
lower = ""
upper = ""
for i in s:
```

```
    if i.isupper():
        upper+=i
    else:
        lower+=i
print(lower+upper)
```

```
shshdsjsdjEHILWEWE
```

[ ]: