

INDIAN SCHOOL MUSCAT
CLASS XI
(2019-2020)
COMPUTER SCIENCE (Code 083)
WS 5 – STRING

Attempt the following questions in the class work note book:

1. WAP to accept a string and display whether it is a Palindrome or not.
2. WAP that counts and displays number of alphabets, digits , uppercase letters, lowercase letters, spaces and other characters in the string entered
3. WAP to accept a string (sentence) and returns a string having first letter of each word in capital letter.
4. What is a string slice? Give example.
5. Which function will you use to remove leading and trailing spaces.
6. Write a python Script to read a string and print its character in different line – two characters per line.
7. What will be the output for the input FUN :

```
print(input("___"+"trial"+"Ooty"*3))
```

8. Write the output :

```
STR=input("Enter a string :")
```

```
count=3
```

```
while True:
```

```
    if STR[0]=='a':
```

```
        STR=STR[2:]
```

```
    elif STR[-1]=='b':
```

```
        STR=STR[:2]
```

```
    else:
```

```
        count+=1
```

```
        break
```

```
print(STR)
```

```
print(count)
```

9. Write the output :

```
Mes1=["SKy"]
```

```

Mes2=["ThE"]
Mes3=["LiMIT"]
L1=len(Mes1)
L2=len(Mes2)
L3=len(Mes3)
N=L1+L2+L3
for c in range(1,N):
    if (c%4==0):
        print(Mes2)
        L2=L2-1
    else:
        if (c%3==0):
            print(Mes1)
            L1=L1-1
        else:
            print(Mes3)
            L3=L3-1

```

10. Differentiate between upper() and isupper() functions.

11. What is negative index in Python.

12. Write a program to print given pattern

```

P
P Y
P Y T
P Y T H
P Y T H O
P Y T H O N

```

13. Which string method is used to implement the following :

- i. To count the number of characters in the string.
- ii. To change the first character of the string in capital letter
- iii. To change lower case to upper case letter
- iv. To change one character into another character