INDIAN SCHOOL AL WADI AL KABIR

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| **Class: XI Comp. Sci.** | **Department: Computer Science** | **Date of submission:** |
| **Worksheet No: 7** | **Topic: String Manipulation** | **Note:5-9-2023** |

1. What will be the output of following code-

 str="hello"

 str[:2]

2. What will be the output of following code-

 str='Hello'

 res=''

 for i in range(len(str)):

 res=res+str[i]

 print(res)

3. What will be the output of following code-

s='Hi!'

s1='Hello'

s2=s[:2]+s1[len(s1)-2:]

 print(s2)

4. What will be the output of following code-

 'ba'+'na'\*2

 5. What will be the output of following program:

s='Hello'

for i in s:

 print(i,end='#')

6. What will be the output of following program:

a='hello'

b='virat'

for i in range(len(a)):

 print(a[i],b[i])

7. What will be the output of following program:

a='hello'

b='virat'

 for i in range(len(a)):

print(a[i].upper(),b[i])

8. What will be the output of following program:

 str1 = "PYTHON PROGRAMMING"

 print(str1[1:4], str1[:5], str1[4:], str1[0:-1], str1[:-1])

9. What will be the output of following program:

s="learning is fun"

n = len(s)

m=' '

for i in range(0, n):

if (s[i] >= 'a' and s[i] <= 'm'):

 m = m + s[i].upper()

elif (s[i] >= 'n' and s[i] <= 'z'):

 m = m + s[i-1]

elif (s[i].isupper()):

 m = m + s[i].lower()

 else:

 m = m + '#'

print(m)

10. What will be the output of following program:

 str ='Hello Python'

 print (str)

 print (str[0])

 print (str[2:8])

 print (str[3:])

 print (str \* 3)

 print (str + "String")

11. What will be the output of following program:

 str="Python Program123"

 for i in range(len(str)):

 if(str[i].isalpha()):

 print(str[i-1],end='')

 if(str[i].isdigit()):

 print(str[i],end='')

12. Write a Program to Count the Number of Vowels in a String.

13. Write a Program to Take in a String and Replace Every Blank Space with dash(-).

14. Write a Program to Calculate the Number of Words and the Number of Characters Present

 in a String

15. Write a Program to Check if a String is a Palindrome or Not

16. Write a progran to convert all uppercase to lowercase and vice versa in a string