INDIAN SCHOOL AL WADI AL KABIR

WORKSHEET(2025-2026)

|  |  |  |
| --- | --- | --- |
| **Class: XI Comp. Sci.** | **Department: Computer Science** | **Date of submission:10.9.25** |
| **Worksheet No: 7** | **Topic: String Manipulation** | **Note: Execute these programs** |

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. Which of the following statement(s) would give an error after executing the following code?

Q="Humanity is the best quality" # Statement1

print(Q) # Statement2

Q="Indeed.” # Statement3

Q[0]= '#' # Statement4

Q=Q+"It is." # Statement5

13. Consider the given Python string declaration:

mystring = 'ProgRamming is Fun'

print(mystring[-50:10:2].swapcase())

14. Find the output of the code:

s = "Question paper 2024-25"

l= s.split('2')

print(l)

15. Find the output of the code:

a = "foobar"

d = a.partition("o")

print(d)

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

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

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

in a String

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

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