**WORK SHEET FOR PRACTICE - 6**

**By Mr. Ajay Kumar**

1.Given N elements in a List. Find the frequency of element in list.

**Input :**

List: [1,2,1,2,3,5,6,7]

**Output :**

**{ 1:2, 2:2, 3:1, 5:1, 6:1, 7:1 }**

**2.** Given N array elements . Find the first non-repeating element

**Input :**

**[ 1,2,1,3,56,7,56 ]**

**Output:**

**2 ( Because it is the first non repeating Character)**

**3.** write a program to get the following output

Input:

S=”abvchAHGak”

Output:

[ “A”,”B”,”V”,”C”,”H”,”A”,”H”,”G”,”A”,”K”] all charater should be in upper case

4. Write a program to sort the following tuple :

T=(1,4,2,6,3)

Output:

(1,2,3,4,6)

5. Write a program to count the number of Vowels ,digits and Consonant :

Input :

S=”aeifAou102n3”

Output:

Vowels: 6

Consonant: 2

Digits: 4

6. Write a program to get find the following :

Input:

S=”Anshkasmn”

S2=”ka”

Output:

Yes (because ka is present in the given string with the same order )

7. Write a program that use the below list as its keys and add k in the key to get the values:

Input:

S=[2, 3, 56, 8, 5]

K=45

**Output:**

**{ 2:47, 3:48, 56:101, 8:53, 5:50 }**

**8.** Write a program to reverse the words present in a string.

Input:

S=”My name is “

Output:

“is name My”

9. Write a program to reverse given string in such a way that the word in the string are get reversed:

Input:

S=”My name is Tony”

Output:

“Ym eman si ynoT”

.

**10.** Write a program to add k in the existing tuple :

Input:

T=( 1,4,5,6,7,23,78 )

K=68

Output:

T=( 1,4,5,6,7,23,78,68 )

11. Write a program to reverse a given tuple in sorted way:

Input :

T=( 2,4,33,6,5,98,45)

Output:

( 98,45,33,6,5,4,2 )

12. Write a program to get the sum of all values in a dictionary:

Input:

D={ 1:2, 4:56 , 5:2, 6:8, 8:24 }

Output:

92

Explatination: 2+56+2+8+24=92

13. **Write a Python program to add a key to a dictionary**

**Input:**

dictionary = {"Name" : "Ram" , "Age" : 23}

add\_key = {"City" : "Salem"}

**Output:**

dictionary = {'Name' : 'Ram', 'Age' : 23, 'City' : 'Salem'}

14. **. Write a Python program to check whether a given key already exists in a dictionary.**

**Input:**

D={ “b” : 24, “a” : 23, “n”: 56 }

Input key is : b

Output:

Yes key is present

15. Write a program to output the keys of the dictionary:

Input :

D={ “a”:23, “v”:35, “d”:67, “f”:46 }

Output:

“a”, “v”, “d” ,”f”

16. x=list(map(str,input().split())) what will be the out of this code if a enter : 1 2 3 4 5 6 7

17. Write a program to get the values that are not common in the given two list:

Input:

L=[1,2,3,4,5,6,7]

L2=[2,3,4,5,6,7]

Output:

1 (because 2 is not present in the string )

**18. What will be the output of the following Python code?**

l=[1, 0, 2, 0, 'hello', '', []]

list(filter(bool, l))

a) [1, 0, 2, ‘hello’, ”, []]  
b) Error  
c) [1, 2, ‘hello’]  
d) [1, 0, 2, 0, ‘hello’, ”, []]