

Dictionary Assignment 2

1. Write a Python code for Checking the order of character in string by using OrderedDict()

Examples:

Input: string = "engineers rock" pattern = "er";

Output: true

Explanation:

All 'e' in the input string are before all 'r'.

2. Write a Python Programme for finding common elements in three sorted arrays by dictionary intersection

Examples:

Input: ar1 = [1, 5, 10, 20, 40, 80]

ar2 = [6, 7, 20, 80, 100]

ar3 = [3, 4, 15, 20, 30, 70, 80, 120]

Output: [20, 80]

3. Write a Python Programme that will Dictionary and counter to find winner of election

Example:

Here input is the names of candidates in an election. We need to print the names of candidates in an election and if there is a tie then we need to print lexicographically smaller name.

Input : votes[] = {"john", "johnny", "jackie",
"johnny", "john", "jackie",
"jamie", "jamie", "john",
"johnny", "jamie", "johnny",
"john"};

Output : John

4. Write a Python code for extracting the Key with maximum unique values

Example:

Input : test_dict = {"Abc" : [5, 7, 9, 4, 0], "is" : [6, 7, 4, 3, 3], "Best" : [9, 9, 6, 5, 5]}

Output : "Abc"

Explanation : "Abc" having max unique elements i.e 5.

5. Write a Python code for Grouping Similar items to Dictionary Values List

Example:

Input : test_list = [4, 6, 6, 4, 2, 2, 4, 8, 5, 8]

Output : {4: [4, 4, 4], 6: [6, 6], 2: [2, 2], 8: [8, 8], 5: [5]}

Explanation : Similar items grouped together on occurrences.

6. Write a Python code for finding K'th Non-repeating Character by using List Comprehension and OrderedDict

Examples:

Input : str = Learnbay, k = 3

Output : r

Explanation: The third non-repeating character is r

7. Write a Python Programme to Replace String by Kth Dictionary value

Example:

Input : test_list = ["Abc", "is", "Best"], subs_dict = {"Abc" : [5, 6, 7], "is" : [7, 4, 2]}, K = 0

Output : [5, 7, "Best"]

8. Write a Python Programme for removing a key from dictionary

9. Write a Python Programme for replacing words from Dictionary

Example :

Input : test_str = 'Learnbay is best for Student', repl_dict = {"Student" : "all Data Science aspirants"}

Output : Learnbay is best for all Data Science aspirants