

Python Lab Questions

- Q1. Python Program for How to check if a given number is Fibonacci number?**
Input : 8
Output : Yes
Input : 41
Output : No
- Q2. Python program to interchange first and last elements in a list Given a list, write a Python program to swap first and last element of the list.**
Input : [12, 35, 9, 56, 24]
Output : [24, 35, 9, 56, 12]
- Q3. Python program to Count Occurrences of an element in a list**
Input : lst = [15, 6, 7, 10, 12, 20, 10, 28, 10]
x = 10
Output : 3
10 appears three times in given list.
- Q4. Python Program to print duplicates from a list of integers**
- Q5. Python program to find Cumulative sum of a list**
Input : list = [10, 20, 30, 40, 50]
Output : [10, 30, 60, 100, 150]
- Q6. Python program to Convert Snake case to Pascal case**
Input : left_index
Output : leftIndex
- Q7. Python program to print even length words in a string**
Given a string. The task is to print all words with even length in the given string.
Input: s = "This is a python language"
Output: This
 is
 python
 language
- Q8. Python | Program to accept the strings which contains all vowels**
Given a string, the task is to check if every vowel is present or not. We consider a vowel to be present if it is present in upper case or lower case. i.e. 'a', 'e', 'i', 'o', 'u' or 'A', 'E', 'I', 'O', 'U'.
Input : ABeeIghiObhkUul
Output : Accepted
All vowels are present

Q9. Program to check if a string contains any special character
Given a string, the task is to check if that string contains any special character (defined special character set). If any special character found, don't accept that string.

Input : Python\$programming\$Language

Output : String is not accepted.

Input : Python Programming Language

Output : String is accepted

Q10. Python program to split and join a string
Split the string into list of strings

Input : Python Programming Language

Output : ['Python', 'Programming', 'Language']

Join the list of strings into a string based on delimiter ('-')

Input : ['Python', 'Programming', 'Language']

Output : Python-Programming-Language

Q11. String slicing in Python to rotate a string

Input : s = "qwertyu"

d = 2

Output : Left rotation : "ertyuqw"

Right rotation : "yuqwert"

Q12. Ways to sort list of dictionaries by values in Python – Using lambda function

Q13. Python program to Convert key-values list to flat dictionary

Q14. Print anagrams together in Python using List and Dictionary

Input : arr = ['cat', 'dog', 'tac', 'god', 'act']

Output : 'cat tac act dog god'

Q15. Python program to Convert a list of Tuples into Dictionary

Input : [("akash", 10), ("gaurav", 12), ("anand", 14),

("suraj", 20), ("akhil", 25), ("ashish", 30)]

Output : {'akash': [10], 'gaurav': [12], 'anand': [14],

'ashish': [30], 'akhil': [25], 'suraj': [20]}

Q16. Python program to Maximum and Minimum K elements in Tuple

Input : test_tup = (3, 7, 1, 18, 9), k = 2

Output : (3, 1, 9, 18)

Input : test_tup = (3, 7, 1), k=1

Output : (1, 3)

Q17. Python program to Adding Tuple to List and vice – versa

Q18. Python program to Program to print double sided stair-case pattern

Input : 10

Output :

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Q19. Python program to Find yesterday's, today's and tomorrow's date