

WEEK 3 - LIST HARD QUESTIONS

NOTE:

- No need to submit anywhere, just keep track of all the PDF you made in a specific folder.
- Compare your solution with the solution I'll provide, in case of doubts, kindly reach out to me.
- You may get assignment solution in format of PDF or VIDEO solution, depending on the difficulty level.

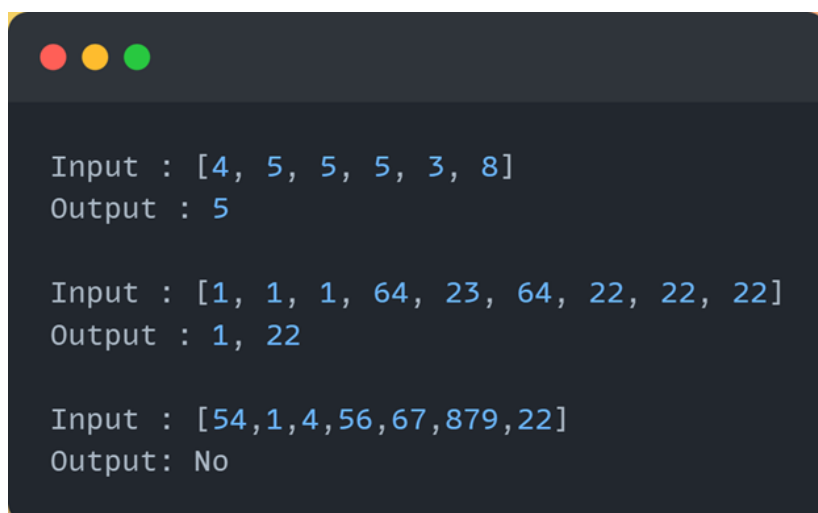
Q1. Write a Python code to check if a given list is sorted in ascending order.

You don't have to change the list. Just output YES if list is sorted else NO.

Q2. Given two sorted lists, write a Python code to merge them into a single sorted list.

Don't use SORT() method.

Q3. Write a python program to check if the list contains three consecutive common numbers in Python.



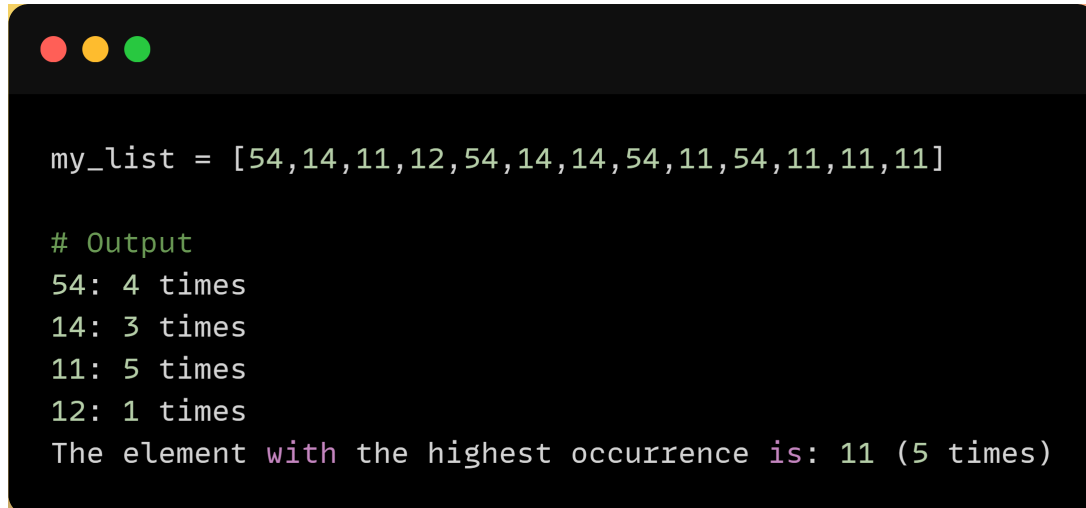
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Input : [4, 5, 5, 5, 3, 8]
Output : 5

Input : [1, 1, 1, 64, 23, 64, 22, 22, 22]
Output : 1, 22

Input : [54,1,4,56,67,879,22]
Output: No
```

Q4. Write a Python code to check if a list is a palindrome (reads the same forwards and backwards). Just print "YES" or "NO"

Q5. Write a Python code to find the occurrence of each element in a list and print the element with the highest occurrence.



```
my_list = [54,14,11,12,54,14,14,54,11,54,11,11,11]

# Output
54: 4 times
14: 3 times
11: 5 times
12: 1 times
The element with the highest occurrence is: 11 (5 times)
```

Q6. Write a Python code to find the difference between two lists (i.e., elements present in the first list but not in the second).

Q7. Write a Python code to find the second largest element in a list without sorting.