

Name: _____

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BATCH Name: _____

Date: _____

NOTE: Write a logic which works for both test cases. You don't need to write new logic for 2 different test cases.

Question and Answer

Q1. Write a Python program to find the second largest number in a list

Note : Don't use the sort() or slicing operator for the same sake to get your answer

Input: [10,15,2]

Output: 10

Input : [0,5,5,7,9,4,1,2]

Output: 7

Q2. Write a Python program to print duplicates from a list of integers

Input: [40, 50, -20, 60, 60, -20, -20]

Output : [60,-20]

Input: [-7,-1,-7,1,8,8]

Output: [-7,8]

Q3. Write a Python function which takes a list as an argument and find Cumulative sum of a list Cumulative sums, or running totals, are used to display the total sum of data as it grows with time

Input: [10, 20, 30, 40, 50]

Output: [10, 30, 60, 100, 150]

Q4. Write a Python program to print the count of number of character matching in pair of string

str1="regexian"

str2="tushar"

Output : 2 [Hint: r and a matched from string 1 to string 2]

str1="abcdef@123"

str2="bb1122@x"

Output: 4 [Hint: b , 1,2,@ matches from string 1 to string 2]

NOTE: b from str1 is present 2 time in string 2 but it's counted 1 time

Q5. Write a python program to print the following pattern

