

Practice 7 Repetition + List

1. Given a list of numbers, starting from second element of the list, print elements if they are larger from their left element and larger from their right side element (left & right neighbors).
2. Given a list of numbers, starting from first element of the list, print elements if they are larger from all the elements on their left side and smaller from all the elements on their right side.
3. Given two lists, print their pairs in the following form:

Consider list1 = [2, 3, 4] list2 = [5, 6]

(2, 5)
(2, 6)
(3, 5)
(3, 6)
(4, 5)
(4, 6)

4. Given two lists, print element of list 1 with count (count is number of elements in list 2, which are smaller than element of list 1). See sample output for understand:

Consider list1 = [23, 32, 11] list2 = [51, 12, 63, 26]

23 1
32 2
11 0

5. Given a list of numbers, find and print, how many elements are perfect square?
6. Given a list of numbers, find and print, how many elements are perfect cube?
7. Given two sorted lists, where elements of list 1 and list 2 are independent of each other. Write code to merge them in a third list in sorted order.
8. Given three lists, compare list 1 with other two lists and tell, which of them is closer to list 1 (having more common elements)