## Maximum Common Difference Element in the Right

Given a collection of 'n' integers, write a C++ program to find the difference between the elements to the right that has occurred maximum number of times. Print the elements with the maximum common difference in ascending order. For example, given six numbers, 28, 32, 36, 38, 34 and 30 then the numbers and the difference with the numbers in their right are

```
28 - 4 8 10 6 2
32 - 4 6 2 2
36 - 2 2 6
38 - 4 8
34 - 4
```

common difference that ocurs maximum number of times in distinct elements is 4 and the elements are 28 32 34 38 in ascending order.

### Hint:

This problem can be easily solved with containers such as list, vector in STL and sort, find algorittms in STL

### **Input Format**

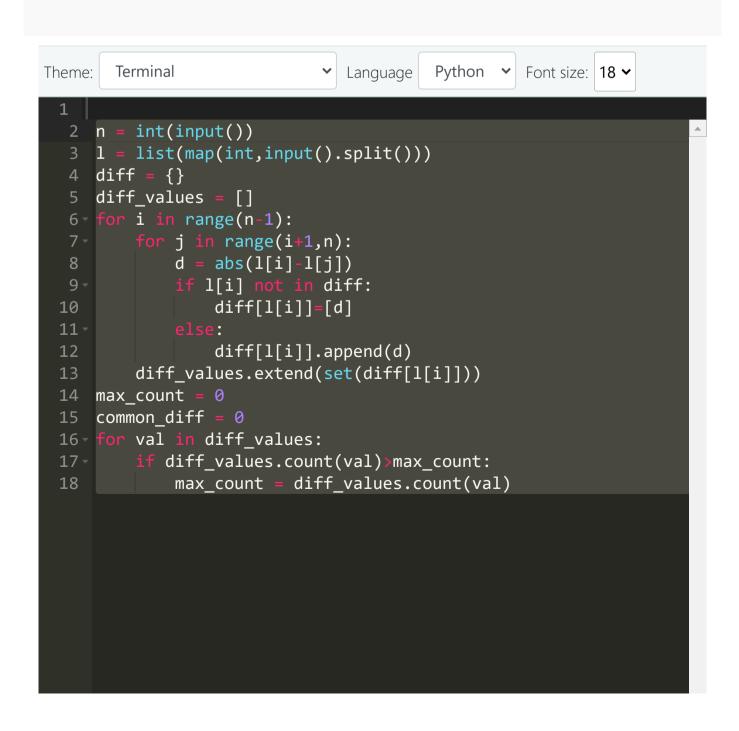
First line contains the number of elements, n

Next line contain the 'n' elements separated by a space

### **Output Format**

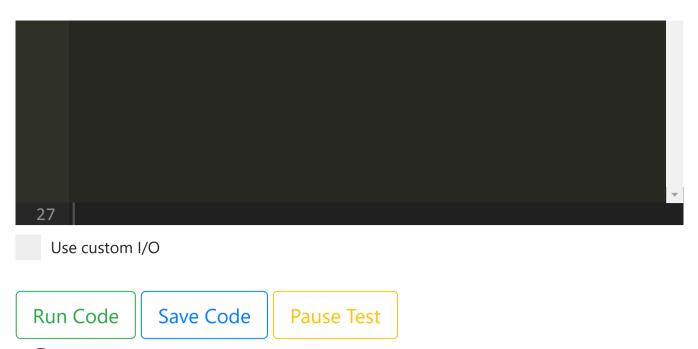
Print the common difference that has occurred maximum number of times, m

Next line print the elements that has got the difference 'm' with the elements in the right, separated by a space



# Problem Statistics Author: M Janaki Meena Solved By: 0

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# Status:

Success your code has passed all test cases!!