



Challenge 7: Find Second Maximum Value in a List

Given a list of size n , can you find the second maximum element in the list? Implement your solution in Python and see if your output matches the correct output!

We'll cover the following



- Problem Statement
 - Input:
 - Output:
 - Sample Input
 - Sample Output
- Coding Exercise

Problem Statement#

Implement a function `find_second_maximum(lst)` which returns the second largest element in the list.

Input:#

A List

Output:#

Second largest element in the list



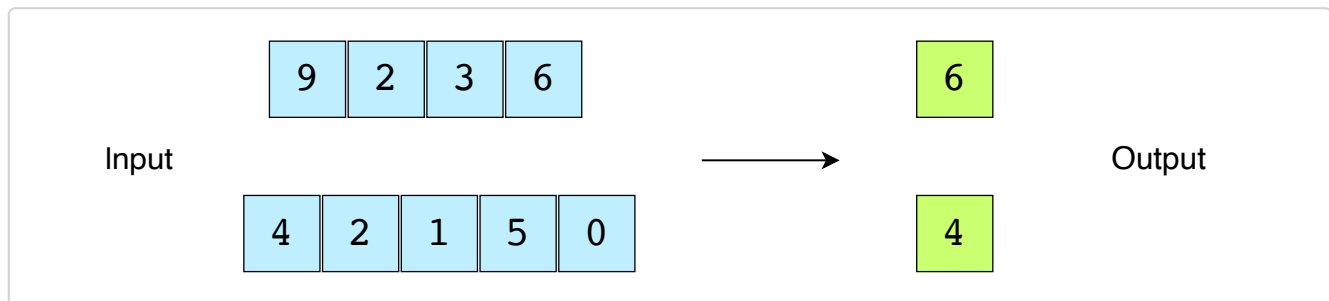
Sample Input#



[9,2,3,6]

Sample Output#

6

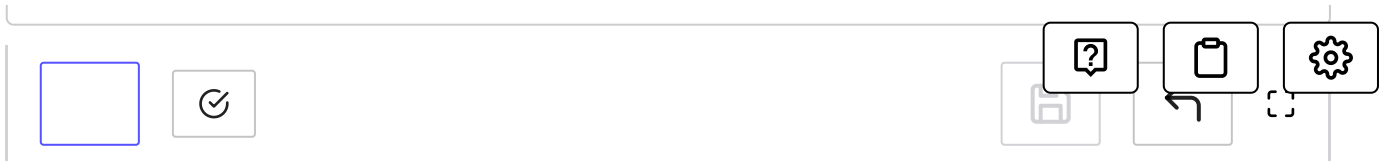


Coding Exercise

Take a close look and design a step-by-step algorithm first before jumping on to the implementation. This problem is designed for your practice, so try to solve it on your own first. If you get stuck, you can always refer to the solution provided in the solution section. Good Luck!

```
def find_second_maximum(lst):  
  
    first_number = max(lst[0], lst[1])  
    second_number = min(lst[0], lst[1])  
    # print(first_number)  
    # print(second_number)  
  
    for i in lst:  
        if i > first_number:  
            second_number = first_number  
            first_number = i  
        elif i < first_number and i > second_number:  
            second_number = i  
  
    return second_number
```





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Solution Review: First Non-Repeating ...

Solution Review: Find Second Maximu...

✓ Completed



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