

EXPERIMENT 6:

TO SORT A GIVEN LIST USING AN EFFICIENT SORTING ALGORITHM AND FIND MAX ELEMENT

PROGRAM:

```
1 def process_list(nums):  
2     if not nums:  
3         return "List is empty"  
4     nums.sort()  
5     return nums[-1]  
6 print(process_list([]))  
7 print(process_list([5]))  
8 print(process_list([3, 3, 3, 3, 3]))  
9
```

OUTPUT:

```
List is empty  
5  
3  
  
=== Code Execution Successful ===
```