In [40]:
```
#case 1: single maximum score i.e one 100 in this case and two equal runner up scores

list_of_scores = []
print('Enter the number of participants')
n = int(input())
print('Enter the scores of the participants')
for i in range(n):
    scores = int(input())
    list_of_scores.append(scores)
print(list_of_scores)
sorted_list = sorted(list_of_scores)
print(sorted_list)
```

```
Enter the number of participants
5
Enter the scores of the participants
19
25
100
80
80
[19, 25, 100, 80, 80]
[19, 25, 80, 80, 100]
```

In [42]:
```
maximum_score = max(sorted_list)
for i in range(n):
    if sorted_list[i] < maximum_score:
        runner_up = sorted_list[i]
print(runner_up)

#This code checks each score of the list and compares it to the maximum score.
#Starting from the first score in the list, all the scores are compared to the
#maximum scores and the score just before the maximum score is printed
```

```
80
```

In [43]:
```
#case 2: With multiple maximum scores i.e two 100s in this case
list_of_scores = []
print('Enter the number of participants')
n = int(input())
print('Enter the scores of the participants')
for i in range(n):
    scores = int(input())
    list_of_scores.append(scores)
print(list_of_scores)
sorted_list = sorted(list_of_scores)
print(sorted_list)

#This list has two highest scores which are 100 as you can see in the sorted list
```

```
Enter the number of participants
5
Enter the scores of the participants
19
25
80
100
100
[19, 25, 80, 100, 100]
[19, 25, 80, 100, 100]
```

In [45]:
```
maximum_score = max(sorted_list)
for i in range(n):
    if sorted_list[i] < maximum_score:
        runner_up = sorted_list[i]
```

```
print(runner_up)

#This code checks each score of the list and compares it to the maximum score.
#Starting from the first score in the list, all the scores are compared to the
#maximum scores and the score just before the maximum score is printed
```

```
80
```