ASSIGNMENT 1

1. Given an integer, n perform the following conditional actions:
   - If n is odd, print weird
   - If n is even and inclusive range of 2to 5, print Not Weird
   - If n is even and in the range of 6 to 20, print weird
   - If n is even and greater than 20 print Not Weird

   Complete the python code for it.

   CODE:

```
def check_actions(n):
    if n % 2 != 0:
        print("Weird")
    else:
        if 2 <= n <= 5:
            print("Not Weird")
        elif 6 <= n <= 20:
            print("Weird")
        else:
            print("Not Weird")

# Test cases
check_actions(3)   # Output: Weird
check_actions(4)   # Output: Not Weird
check_actions(8)   # Output: Weird
check_actions(22)  # Output: Not Weird
```

2. Given the participants score sheet on University sports day , you are required to find runner up score. You are given n scores. Store them in a list and find the score of runner up.

   CODE:

```
def runner_up_score(scores):
    # Remove duplicates by converting the list to a set and back to a list
    unique_scores = list(set(scores))
    # Sort the unique scores in descending order
    unique_scores.sort(reverse=True)

    # If there are at least two unique scores, return the second one
    if len(unique_scores) > 1:
        return unique_scores[1]
    else:
        return "No runner-up score found"

# Test cases
scores1 = [2, 3, 8, 8, 5]
```

```
print("Runner-up score:", runner_up_score(scores1))  # Output: 5

scores2 = [1, 2, 0, 4, 5]
print("Runner-up score:", runner_up_score(scores2))  # Output: 4

scores3 = [3, 3, 3, 3, 3]
print("Runner-up score:", runner_up_score(scores3))  # Output: No runner-up score found
```