QUESTIONS 110-120
LIST METHODS (INTERMEDIATE)

Q110. Make a list of your own. And remove all the duplicates element from that list.

```
my_list=[5, 1, "Code and Debug", 5, 10, 20, 5, 1, 1]

#OUTPUT
[5, 1, "Code and Debug", 10, 20]
```

Q111. Make a list. Then ask a number from user. If number exists in that list then print the position of the element else print -1.

```
my_list=[5, 1, 5, 10, 20, 5, 1, 1]

Enter value = 10
# OUTPUT = 3

Enter value = 5
# OUTPUT = 0

Enter value = 100
# OUTPUT = -1
```

Q112. Take 10 integer inputs from user and store them in a list. Now, copy all the elements in another list but in reverse order.

```python
my_list=[5, 1, 5, 10, 20, 5, 1, 1]

# Output
another_list = [1, 1, 5, 20, 10, 5, 1, 5]
```

Q113. Write a program to find the average of all the numbers present in the list. **(Do on your own)**

Q114. Write a Python code to find the occurrence of each element in a list and print the element with the highest occurrence.

Q115. Write a program that has two lists and make a new list that contains only the common elements between them without duplicates.

```python
# Example 1
list1 = [1, 2, 3, 4, 5]
list2 = [3, 4, 5, 6, 7]
# Output
[3, 4, 5]

# Example 2
list1 = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
list2 = [5, 6, 7, 8, 9, 10, 11, 12, 13, 14]
# Output
[5, 6, 7, 8, 9, 10]
```

Q116. Write a Python code to find the second largest element in a list without sorting.

Q117. Make a program that takes a list of integers and returns the product of all the elements.

Q118. Write a program to find and print all prime numbers within a given list.

```
# Example 1
num_list = [2, 3, 4, 5, 6, 7, 8, 9, 10,
            11, 12, 13, 14, 15]

# Output
[2, 3, 5, 7, 11, 13]
```

Q119. Write a program to split a given list into two halves. **(Do on your own)**

Q120. Write a program that swaps the first and last elements of a given list.

```
# Example 1
num_list = [32, 10, "Anirudh", 55.90, "xyz"]
# Output
["xyz", 10, "Anirudh", 55.90, 32]

# Example 2
num_list = [100, 900]
# Output
[900, 100]
```