1.Generate a random number (1-1000)

2. Generate a random integer

3. Generate a list of random int (size: 100)

4. Find the largest number in the list

5. Find the 2nd largest number

|  |
| --- |
| # Python 3 code to demonstrate  # removing duplicated from list  # using list comprehension    # initializing list  test\_list **=** [1, 3, 5, 6, 3, 5, 6, 1]  **print**("The original list is : "  **+** str(test\_list))    # using list comprehension  # to remove duplicated  # from list  res **=** []  [res.append(x) **for** x **in** test\_list **if** x **not** **in** res]    # printing list after removal  **print** ("The list after removing duplicates : "  **+** str(res)) |

# Python 3 code to demonstrate

# removing duplicated from list

# using set()

# initializing list

test\_list **=** [1, 5, 3, 6, 3, 5, 6, 1]

print ("The original list is : "

**+** str(test\_list))

# using set()

# to remove duplicated

# from list

test\_list **=** list(set(test\_list))

# printing list after removal

# distorted ordering

print ("The list after removing duplicates : "

**+** str(test\_list))