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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » The Joy of Computing using Python (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc20_cs35/preview)   Ask a Question (forum)

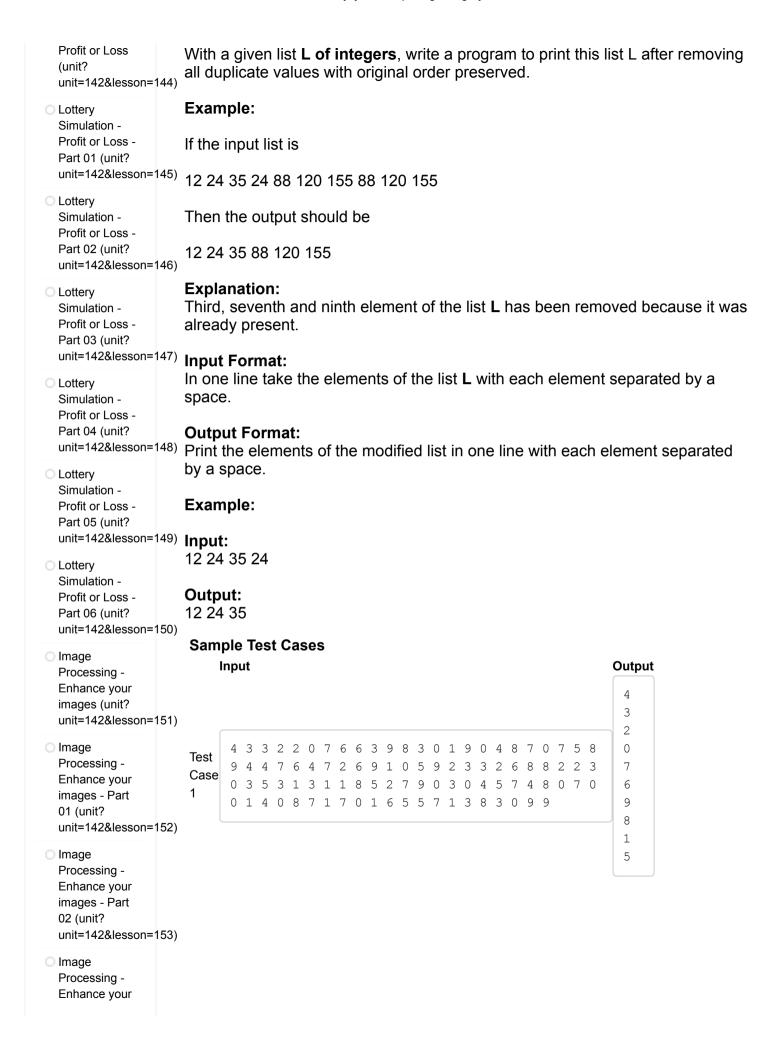Progress (student/home)   Mentor (student/mentor)

Programming Assignment - 1: Duplicate Elements

Due on 2020-03-26, 23:59 IST

Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

week 4

Week 5

Week 6

Week 7

Week 8

○ Tuples- Python Data Structure (unit? unit=142&lesson=143)

○ Lottery Simulation -

With a given list **L of integers**, write a program to print this list L after removing all duplicate values with original order preserved.

Example:

If the input list is

12 24 35 24 88 120 155 88 120 155

Then the output should be

12 24 35 88 120 155

Explanation:
Third, seventh and ninth element of the list **L** has been removed because it was already present.

Input Format:
In one line take the elements of the list **L** with each element separated by a space.

Output Format:
Print the elements of the modified list in one line with each element separated by a space.

Example:

Input:
12 24 35 24

Output:
12 24 35

Sample Test Cases

	Input	Output
Test Case 1	4 3 3 2 2 0 7 6 6 3 9 8 3 0 1 9 0 4 8 7 0 7 5 8 9 4 4 7 6 4 7 2 6 9 1 0 5 9 2 3 3 2 6 8 8 2 2 3 0 3 5 3 1 3 1 1 8 5 2 7 9 0 3 0 4 5 7 4 8 0 7 0 0 1 4 0 8 7 1 7 0 1 6 5 5 7 1 3 8 3 0 9 9	4 3 2 0 7 6 9 8 1 5

images - Part
03 (unit?
unit=142&lesson=154)

○ Anagrams
(unit?
unit=142&lesson=155)

○ Anagrams -
Part 01 (unit?
unit=142&lesson=156)

○ Anagrams -
Part 02 (unit?
unit=142&lesson=157)

○ Anagrams -
Part 03 (unit?
unit=142&lesson=158)

○ Facebook
Sentiment
Analysis (unit?
unit=142&lesson=159)

○ Facebook
Sentiment
Analysis - Part
01 (unit?
unit=142&lesson=160)

○ Facebook
Sentiment
Analysis - Part
02 (unit?
unit=142&lesson=161)

○ Facebook
Sentiment
Analysis - Part
03 (unit?
unit=142&lesson=162)

● Facebook
Sentiment
Analysis - Part
04 (unit?
unit=142&lesson=163)

○ Quiz :
Assignment 8
(assessment?
name=284)

**Programming
Assignment -
1: Duplicate
Elements
(/noc20_cs35/progassignment?
name=307)**

○ Programming
Assignment-2:
Panagrams

Test Case 2	1 8 9 6 0 3 2 1 0 6 2 0 4 1 0 3 7 1 6 5 3 9 9 5 5 0 9 9 1 1 3 8 2 3 4 7 5 2 1 1 5 0 4 3 9 3 0 3 9 4 9 8 2 2 2 2 2	1 8 9 6 0 3 2 4 7 5
Test Case 3	3 2 8 8 0 4 6 4 5 7 0 0 0 7 2 7 4 1 7 0 6 3 1 8 7 7 5 9 9 7 7 4 4 4 5 6 6 6 3 3 2 5 3 1 3 6 8 0 1 5 2 5 0 1 4 2 6 5 7 9 2 2 5 4 0 8 6 4 9 4 9 0 8 4 3 7 5 0 1 4 3 7 8 0 7 3 3 3 8 6 9 4 4 6 6 2 2 5 0 9 3 3 7 9 9 1 0 6 9 9 3 3 7 5 3 4 2 0 3 0 1 7 6 8 8 5 5	3 2 8 0 0 4 6 5 7 1 9
Test Case 4	1 1 9 5 2 1 4 1 1 4 0 6 1 4 3 3 2 2 0	1 9 5 2 4 0 6 3
Test Case 5	8 0 4 5 4 2 6 1 7 1 4 8 8 5 8 0 2 2 5 7	8 0 4 5 2 6 1 7
Test Case 6	1 1 9 5 2 1 4 1 1 4 0 6 1 4 3 3 2 2 0 7 6 6 3 9 8 3 0 1 9 0 4 8 7 0 7 5 8 9 4 4 7 6 4 7 2 6 9 1 0 5 9 2 3 3 2 6 8 8 2 2 3	1 9 5 2 4 0 6 3 7 8

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

Sample solutions (Provided by instructor)

```python
 1  def removeDuplicate( li ):
 2      newli=[]
 3      seen = set()
 4      for item in li:
 5          if item not in seen:
 6              seen.add( item )
 7              newli.append(item)
 8
 9      return newli
10
11  li=[]
12  li= list(map(int, input ().split ()))
13  x = removeDuplicate(li)
14
15  for i in x:
16      print(i,end=" ")
```