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 NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Programming, Data Structures And Algorithms Using Python (course)


Course outline

How does an NPTEL online course work? ()

Week 1 : Introduction ()

Week 1 Quiz ()

Week 2: Basics of Python ()

Week 2 Quiz ()

Week 2 Programming Assignment ()

Week 3: Lists, inductive

Online Test 1, Question 6

Due on 2021-03-09, 12:00 IST

Question 6

Write a Python function `uncommon(l1, l2)` that takes two lists sorted in ascending order as arguments and returns the list of all elements that appear in exactly one of the two lists. The list returned should be in ascending order. All such elements should be listed only once, even if they appear multiple times in `l1` or `l2`.

Thus, `uncommon([2,2,4],[1,3,3,4,5])` should return `[1,2,3,5]` while `uncommon([1,2,3],[1,1,2,3,3])` should return `[]`.

Sample Test Cases

	Input	Output
Test Case 1	<code>uncommon([2,2,4],[1,2,2,3,4])</code>	<code>[1, 3]</code>
Test Case 2	<code>uncommon([1,2,3],[4,5,6])</code>	<code>[1, 2, 3, 4, 5, 6]</code>
Test Case 3	<code>uncommon([], [1,2,3])</code>	<code>[1, 2, 3]</code>
Test Case 4	<code>uncommon([2,2,2,3,3],[2,3])</code>	<code>[]</code>
Test Case 5	<code>uncommon([2,2,4],[1,3,3,4,5])</code>	<code>[1, 2, 3, 5]</code>
Test Case 6	<code>uncommon([1,2,3],[1,1,2,3,3])</code>	<code>[]</code>

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

**function
definitions,
sorting ()**

**Week 3
Programming
Assignment
()**

**Week 4:
Sorting,
Tuples,
Dictionaries,
Passing
Functions,
List
Comprehension
()**

**Week 4 Quiz
()**

**Week 4
Programming
Assignment
()**

**Week 5:
Exception
handling,
input/output,
file handling,
string
processing ()**

**Week 5
Programming
Assignment
()**

**Week 6:
Backtracking,
scope, data
structures;
stacks,
queues and
heaps ()**

**Week 6 Quiz
()**

**Week 7:
Classes,
objects and
user defined
datatypes ()**

**Week 7 Quiz
()**

**Week 8:
Dynamic
programming,
wrap-up ()**

**Week 8
Programming
Assignment
()**

**Text
Transcripts ()**

Books ()

**Download
Videos ()**

**Online
Programming
Test -
Sample ()**

**Online
Programming
Test 1, 01
Dec 2020,
10:00-12:00
()**

**Online
Programming
Test 2, 01
Dec 2020,
20:00-22:00
()**

**Online
Programming
Test 1, 09
Mar 2021,
10:00-12:00
()**

- ☐ Online Test 1,
Question 1
(/noc20_cs26/progassignment?
name=148)
- ☐ Online Test 1,
Question 2
(/noc20_cs26/progassignment?
name=149)
- ☐ Online Test 1,
Question 3
(/noc20_cs26/progassignment?
name=151)
- ☐ Online Test 1,
Question 4
(/noc20_cs26/progassignment?
name=152)
- ☐ Online Test 1,
Question 5
(/noc20_cs26/progassignment?
name=155)
- ☐ **Online Test 1,
Question 6
(/noc20_cs26/progassignment?
name=156)**
- ☐ Online Test 1,
Question 7
(/noc20_cs26/progassignment?
name=157)
- ☐ Online Test 1,
Question 8
(/noc20_cs26/progassignment?
name=158)

**Online
Programming
Test 2, 09
Mar 2021,
20:00-22:00
()**