Online Test 2 Question 6

Due on 2020-12-01, 22:00 IST

Question 6

Write a Python function `intersect(l1,l2)` that takes two **sorted** lists as arguments and returns the list of all elements common to both `l1` and `l2` in the same order that they appear in the two lists. If the same element occurs more than once in both lists, it should appear in the output exactly once.

Thus, `intersect([2,2,4],[1,2,2,3,4])` should return `[2, 4]` while `intersect([1,2,3],[4,5,6])` should return `[]`.

Sample Test Cases

	Input	Output
Test Case 1	`intersect([2,2,4],[1,2,2,3,4])`	`[2, 4]`
Test Case 2	`intersect([1,2,3],[4,5,6])`	`[]`
Test Case 3	`intersect([],[1,2,3])`	`[]`
Test Case 4	`intersect([2,2,2,3,3],[2,3])`	`[2, 3]`
Test Case 5	`intersect([2,2,4],[1,2,2,3,4])`	`[2, 4]`
Test Case 6	`intersect([1,2,3],[4,5,6])`	`[]`

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 ()**

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- Online Test 2 Question 2 (/noc20_cs26/progassignment?name=133)
- Online Test 2 Question 3 (/noc20_cs26/progassignment?name=135)
- Online Test 2 Question 4 (/noc20_cs26/progassignment?name=141)
- Online Test 2 Question 5 (/noc20_cs26/progassignment?name=142)
- **Online Test 2 Question 6 (/noc20_cs26/progassignment?name=143)**
- Online Test 2 Question 7 (/noc20_cs26/progassignment?name=145)
- Online Test 2 Question 8 (/noc20_cs26/progassignment?name=146)

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

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