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 2 Question 4

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

Question 4

Recall that the positions in a list of length n are 0,1,…,n-1. We want to write a function `oddpositions(l)` that returns the elements at the odd positions in `l`. In other words, the function should return the list `[l[1],l[3],...]`. For instance `oddpositions([]) == []`, `oddpositions([7]) == []`, `oddpositions([8,11,8]) == [11]` and `oddpositions([19,3,44,44,3,19]) == [3,44,19]`. A recursive definition of `oddpositions` is given below. You have to fill in the missing argument for the recursive call.

```
def oddpositions(l):
  if len(l) <= 1:
    return([])
  else:
    return(...)
```

Open up the code submission box below and fill in the missing argument for the recursive call.

Sample Test Cases

	Input	Output
Test Case 1	`oddpositions([13,42,12,16,18])`	`[42, 16]`
Test Case 2	`oddpositions([1,2,3,4,5,6,7,8,9,10])`	`[2, 4, 6, 8, 10]`
Test Case 3	`oddpositions([2,3,4,5,6,7,8,9,10,11])`	`[3, 5, 7, 9, 11]`

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 ()

Test Case 4	`oddpositions([3,4,5,6])`	`[4, 6]`
Test Case 5	`oddpositions([8,11,8])`	`[11]`
Test Case 6	`oddpositions([19,3,44,44,3,19])`	`[3, 44, 19]`

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

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 ()

- Instructions (unit?unit=128&lesson=129)
- Online Test 2 Question 1

(/noc20_cs26/progassignment?name=130)

- 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 ()