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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 1

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

## Question 1

Here is an function to return the maximum value in a list. There is an error in this function. Provide an input list for which maxbad produces an incorrect output.

```
def maxbad(l):
    mymax = l[-1]
    for i in range(-1, -len(l), -1):
        if l[i] > mymax:
            mymax = l[i]
    return(mymax)
```

Open up the code submission box below and write your test case where you would normally paste your code, below the line `myinput = ''`.

### Sample Test Cases

	Input	Output
Test Case 1	<input type="text"/>	True
Test Case 2	<input type="text"/>	True

The due date for submitting this assignment has passed.  
As per our records you have not submitted this assignment.  
Sample solutions (Provided by instructor)

```
1 myinput=''
2 [4,3,2,1]
```

<b>function definitions, sorting ()</b>
<b>Week 3 Programming Assignment ()</b>
<b>Week 4: Sorting, Tuples, Dictionaries, Passing Functions, List Comprehension ()</b>
<b>Week 4 Quiz ()</b>
<b>Week 4 Programming Assignment ()</b>
<b>Week 5: Exception handling, input/output, file handling, string processing ()</b>
<b>Week 5 Programming Assignment ()</b>
<b>Week 6: Backtracking, scope, data structures; stacks, queues and heaps ()</b>
<b>Week 6 Quiz ()</b>

```
3 '''
4
5 def maxbad(l):
6     mymax = l[-1]
7     for i in range(-1,-len(l),-1):
8         if l[i] > mymax:
9             mymax = l[i]
10    return(mymax)
11    return(mymax)
12
13 import ast
14
15 try:
16     myarg = ast.literal_eval(myinput.strip())
17 except:
18     print(False)
19 else:
20     try:
21         print(maxbad(myarg) != max(myarg))
22     except:
23         print(False)
24
```

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

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**Week 7 Quiz  
()**

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

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**Week 8  
Programming  
Assignment  
()**

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**Text  
Transcripts ()**

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**Books ()**

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**Download  
Videos ()**

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**Online  
Programming  
Test -  
Sample ()**

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

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

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**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  
( )**