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 3

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

Question 3

The median of three numbers x,y,z is the second number in the sequence when the three numbers are sorted in ascending or descending order. Here is a function to compute the median of three input integers. You have to fill in the missing lines.

```
def median3(x,y,z):
  if x <= y:
    if x >= z:
       mymedian = x
  # Your code below this line


  # Your code above this line
  return(mymedian)
```

Open up the code submission box below and fill in the gap in the code. Ensure that you maintain correct indentation.

Sample Test Cases

	Input	Output
Test Case 1	`median3(11,22,33)`	22
Test Case 2	`median3(11,33,22)`	22
Test Case 3	`median3(22,11,33)`	22

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	`median3(22,33,11)`	22
Test Case 5	`median3(33,11,22)`	22
Test Case 6	`median3(33,22,11)`	22
Test Case 7	`median3(1,2,3)`	2
Test Case 8	`median3(3,1,2)`	2

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

Sample solutions (Provided by instructor)

```
def median3(x,y,z):
  if x <= y:
    if x >= z:
       mymedian = x
  # Your code below this line

  if x >= y and x <= z:
    mymedian = x
  if y <= x and y >= z:
    mymedian = y
  if y >= x and y <= z:
    mymedian = y
  if z <= x and z >= y:
    mymedian = z
  if z >= x and z <= y:
    mymedian = z
  # Your code above this line
  return(mymedian)
import ast

def totripleint(inp):
  inp = "[" + inp + "]"
  inp = ast.literal_eval(inp)
  return(inp)

fncall = input()
lparen = fncall.find("(")
rparen = fncall.rfind(")")
fname = fncall[:lparen]
farg = fncall[lparen+1:rparen]

if fname == "median3":
  arglist = totripleint(farg)
  print(median3(arglist[0],arglist[1],arglist[2]))

```

- 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 ()