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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) **»** **The Joy of Computing using Python (course)**

Announcements (announcements)	**About the Course (preview)**	Ask a Question (forum)	Progress (student/home)	Mentor (student/mentor)

Course outline

How does an NPTEL online course work?

Week 1

Week 2

Week 3

○ Lists Part 1 : Introduction (unit?unit=57&lesson=58)

○ Lists Part 2 : Manipulation (unit?unit=57&lesson=59)

○ Lists Part 3 : Operations (unit?unit=57&lesson=60)

○ Lists Part 4 : Slicing (unit? unit=57&lesson=61)

○ Loops and Conditionals : Fizzbuzz 01 (unit? unit=57&lesson=62)

○ Loops and Conditionals : Fizzbuzz 02 (unit? unit=57&lesson=63)

○ Crowd Computing - Just estimate 01 (unit? unit=57&lesson=64)

○ Crowd Computing - Just estimate 02 (unit? unit=57&lesson=65)

○ Crowd Computing - Just estimate 03 (unit? unit=57&lesson=66)

○ Crowd Computing - Just estimate 04 (unit? unit=57&lesson=67)

○ Crowd Computing - Just estimate 05 (unit? unit=57&lesson=68)

○ Crowd Computing - Just estimate 06 (unit? unit=57&lesson=69)

○ Permutations - Jumbled Words 01 (unit? unit=57&lesson=70)

○ Permutations - Jumbled Words 02 (unit? unit=57&lesson=71)

○ Permutations - Jumbled Words 03 (unit? unit=57&lesson=72)

Programming Assignment 2 : List Slicing

Due on 2020-10-08, 23:59 IST

You have seen in videos how list slicing is performed in python. If not please refer to this link List Slicing (https://stackoverflow.com/questions/509211/understanding-pythons-slice-notation).

In this program, create a list of numbers from 1 to 50 named **list_1**. The numbers should be present in the increasing order: Ex **list_1 = [1,2,3,4,5,....,50]**
i.e. index zero should be 1, index one should be 2, index two should be 3 and so on.

Given an input of two numbers, let's say **a** and **b**, you have to print the numbers returned by the following command
list_1[a:b]

Input:
The first line of input contains two numbers **a** and **b** separated by a space.

NOTE: You can take two inputs in a single line using the following command:
a, b = input().split()

Make sure you convert the strings in **a** and **b** into integers using the **int()** command

Output:
Print the numbers in new line

Example :

Input:
2 6

Output:
3
4
5
6

Explanation: In this example, **a** is 2 and **b** is 6. The **list_1** contains numbers from 1 to 50. When you perform the operation **list_1[a:b]** which in this case is, **list_1[2:6]**, it returns a list of following numbers **[3, 4, 5, 6]**. Print the elements of this list with each element in a new line.

Select the Language for this assignment. [Python3 ⌄]

```
1  a, b = input().split()
2  a = int(a)
3  b = int(b)
4
5  def createList(r1, r2):
6      return [item for item in range(r1, r2+1)]
7
8  list_1 = createList(1, 50)
9
10 print(*list_1[a:b], sep = "\n")
```

Text Transcripts

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You may submit any number of times before the due date. The final submission will be considered for grading.
This assignment has Public Test cases. Please click on "Compile & Run" button to see the status of Public test cases.
Assignment will be evaluated only after submitting using Submit button below. If you only save as or compile and run the
Program , your assignment will not be graded and you will not see your score after the deadline.

Save as Draft	Compile & Run	Submit	Reset

Compilation : Passed

Public Test Cases: 3 / 3 Passed

Note: These tests may not be considered while scoring. Know more.

Public Test Cases	Input	Expected Output	Actual Output	Status
Test Case 1	2 3	3	3\n	Passed after ignoring Presentation Error
Test Case 2	1 4	2\n 3\n 4	2\n 3\n 4\n	Passed after ignoring Presentation Error
Test Case 3	1 10	2\n 3\n 4\n 5\n 6\n 7\n 8\n 9\n 10	2\n 3\n 4\n 5\n 6\n 7\n 8\n 9\n 10\n	Passed after ignoring Presentation Error