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Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

week 4

Week 5

Week 6

- ☒ Substitution Cipher -The science of secrecy (unit? unit=103&lesson=104)
- ☐ Substitution Cipher -The science of secrecy 01

Programming Assignment-3: Functions

Due on 2020-03-12, 23:59 IST

Given an integer number **n**, define a function named **printDict()** which can print a dictionary where the keys are numbers between **1** and **n** (both included) and the values are square of keys.

The function **printDict()** doesn't take any argument.

Input Format:

The first line contains the number **n**.

Output Format:

Print the dictionary in one line.

Example:

Input:

5

Output:

{1: 1, 2: 4, 3: 9, 4: 16, 5: 25}

NOTE: You are supposed to write the code for the function **printDict()** only. The function has already been called in the main part of the code.

Sample Test Cases

InputOutput

| Test Case | Input | Output |
|-----------|-------|---|
| 1 | 6 | {1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100, 11: 121, 12: 144, 13: 169, 14: 196, 15: 225, 16: 256} |

| | | |
|---|--|---|
| (unit? unit=103&lesson=105) | Test Case 6 | {1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36} |
| ○ Substitution Cipher -The science of secrecy 02 (unit? unit=103&lesson=106) | Test Case 3 | {1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100, 11: 121, 12: 144, 13: 169} |
| ○ Substitution Cipher -The science of secrecy 03 (unit? unit=103&lesson=107) | Test Case 4 | {1: 1, 2: 4, 3: 9, 4: 16} |
| ○ Tic Tac Toe - Down the memory Lane (unit? unit=103&lesson=108) | Test Case 5 | {1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100} |
| ○ Tic Tac Toe - Down the memory Lane 01 (unit? unit=103&lesson=109) | Test Case 6 | {1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100, 11: 121, 12: 144, 13: 169, 14: 196} |
| ○ Tic Tac Toe - Down the memory Lane 02 (unit? unit=103&lesson=110) | The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. Sample solutions (Provided by instructor) | |
| ○ Tic Tac Toe - Down the memory Lane 03 (unit? unit=103&lesson=111) | <pre> 1 def printDict(): 2 n = int(input()) 3 d=dict() 4 for i in range(1,n+1): 5 d[i]=i**2 6 print(d) 7 printDict()</pre> | |
| ○ Tic Tac Toe - Down the memory Lane 04 (unit? unit=103&lesson=112) | | |
| ○ Tic Tac Toe - Down the memory Lane 05 (unit? unit=103&lesson=113) | | |
| ○ Recursion (unit? unit=103&lesson=114) | | |
| ○ Recursion 01 (unit? unit=103&lesson=115) | | |
| ○ Recursion 02 (unit? unit=103&lesson=116) | | |

- ☐ Recursion 03
(unit?
unit=103&lesson=117)
 - ☐ Recursion 04
(unit?
unit=103&lesson=118)
 - ☐ Recursion 05
(unit?
unit=103&lesson=119)
 - ☐ Recursion 06
(unit?
unit=103&lesson=120)
 - ☐ Quiz :
Assignment 6
(assessment?
name=276)
 - ☐ Programming
Assignment-1:
Computing
Paradox
(/noc20_cs35/progassignment?
name=295)
 - ☐ Programming
Assignment-2:
Dictionary
(/noc20_cs35/progassignment?
name=296)
 - ☐ **Programming
Assignment-
3: Functions**
(/noc20_cs35/progassignment?
name=297)
-
- ☐ Week 6
Feedback
(unit?
unit=103&lesson=298)

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

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