NPTEL » Social Networks Announcements About the Course Ask a C

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Progress

Mentor

Unit 7 - Week 1 - Introduction

Course outline Assignment 1 How to access the Due on 2019-08-14, 23:59 IST. The due date for submitting this assignment has passed. portal? As per our records you have not submitted this assignment. Course Trailer 1) Let L = ["one", "two", ["three", "four", "five", "six"], "seven", ["eight"], []] be the list. What will be the 1 point output of len(L) (written in Python3)? Prerequisite Assignment 5 6 FAQ 0 8 9 Things to Note No, the answer is incorrect. Week 1 - Introduction Score: 0 Accepted Answers: Lecture 01 -6 Introduction (9 min) Which of the following functions is used to create a directed graphs with self loops and parallel edges in NetworkX?1 point Lecture 02 - Answer to the puzzle (6 min) networkx.MultiDirectedGraph() Lecture 03 networkx.Multi_Di_Graph() Introduction to networkx.MultiDiGraph() Python-1 (21 min) networkx.Graph(create_using = 'Multi Directed') Lecture 04 -No, the answer is incorrect. Introduction to Score: 0 Python-2 (28 min) Accepted Answers: Lecture 05 networkx.MultiDiGraph() Introduction to If string = 'Mississippi', what will be the output of string[0:6] (written in Python3)? 1 point Networkx-1 (10 min) 'Missis' Lecture 06 -Introduction to 'Mississ' Networkx-2 (45 min) 'Mississi' Lecture 07 - Social TypeError Networks: The No, the answer is incorrect. Challenge (4 min) Score: 0 Lecture 08 - Google Accepted Answers: Page Rank (2 min) 'Missis' Lecture 09 -4) Total number of possible edges on a graph (undirected and without loops) on n vertices is not : 1 point Searching in a Network (2 min) $\frac{n(n-1)}{2}$ O Lecture 10 - Link Prediction (2 min) Lecture 11 - The Contagions (2 min) Lecture 12 -Importance of $1+2+3+\ldots+(n-1)+n$ Acquaintances (1 min) $1+2+3+\ldots+n-1$ Lecture 13 -Marketing on Social No, the answer is incorrect. Score: 0 Networks (2 min) Accepted Answers: $1 + 2 + 3 + \ldots + (n-1) + n$ Week - 1 Feedbaack Form 5) If d = {0:'a', 1:'b', 2:'c', 3:'d'} is the dictionary then which among the following codes (written in Python3) would 1 point Quiz : Assignment 1 reverse keys and values of d? Week 2 - Handling { v:k for k,v in d.items() } Real-world Network { d[i]:i for i in range(4) } Datasets { d[i]:i for i in d } All of the above Week 3- Strength of Weak Ties No, the answer is incorrect. Score: 0 Week 4 - Homophily Accepted Answers: All of the above Week 5 - Homophily 6) Let the number of atoms in the explored universe be 1080. Pick the smallest number of nodes from the below given 1 point Continued and +Ve / options such that the number of -Ve Relationships possible graphs on that many nodes is greater or equal to the number of atoms in the explored universe. (Assume log₂ 10 = 3.3) Week 6- Link Analysis 23 Week 7 - Cascading 24 Behaviour in 25 Networks 26 Week 8: Link No, the answer is incorrect. Analysis (Continued) Score: 0 Accepted Answers: and Rich-Get-Richer What is the output of the following code snippet (written in Python3) 1 point Phenomena import networkx Week 10 - Power law G = networkx.Graph () (contd..) and G. add_edges_from ([(1,2),(1,3),(4,1),(1,5)]) **Epidemics** G. remove node (1) print (len(G.edges ())) Week 11- Small World Phenomenon \bigcirc 0 1 Week 12- Pseudocore 0 2 (How to go viral on web?) 3 No, the answer is incorrect. DOWNLOAD VIDEOS Score: 0 Accepted Answers: Live Sessions Let t be a tuple ("social", "networks", "IIT"). What will be the output of t.append(("Ropar")), written in Python3? 1 point ("social", "networks", "IIT", "Ropar") ("social", "networks", "IIT", ("Ropar")) ("social", "networks", ("IIT", "Ropar")) Attribute Error No, the answer is incorrect. Score: 0 Accepted Answers: Attribute Error 9) Which of the following is correct? 1 point (A) A variable name must start with a letter or the underscore character (B) A variable name can start with a number (C) A variable name can only contain alpha-numeric characters and underscores (A-z, 0-9, and_) (D) Variable names are case-sensitive (ropar, Ropar and ROPAR are three different variables) Only A and B Only A, B and C Only B and D Only A, C and D No, the answer is incorrect. Score: 0 Accepted Answers: Only A, C and D 10) For integers n > 1, let G_n be a complete graph on n vertices such that each vertex is labeled by a distinct number 1 point 1, 2, 3, · · · , n, and each edge is labeled by the sum of its endpoint labels. The sum of all the edge labels is: $\frac{n(n-1)^2}{2}$ $\frac{n(n-1)(n+1)}{2}$ n(n-1)(n+1) $\frac{n(n+1)}{2}$ No, the answer is incorrect.

Score: 0

Accepted Answers:

 $\frac{n(n-1)(n+1)}{2}$