Χ



rohitkumar57486@gmail.com v

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

Announcements (announcements) About the Course (https://swayam.gov.in/nd1_noc20_cs35/preview)

Ask a Question (forum) Progress (student/home) Mentor (student/mentor)

Unit 14 - Week 12

Course	A 1 1 4 O
outline	Assignment 12
How does an NPTEL online	The due date for submitting this assignment has passed. Due on 2020-04-22, 23:59 IST.
course work?	Assignment submitted on 2020-04-22, 19:42 IST
Week 0	1) In web graph, on which we perform Google page ranking 1 point
Week 1	Web pages are the nodes and hyperlinks are the edges
	O Hyperlinks are the nodes and web pages are the edges
Week 2	Both hyperlinks and web pages are nodes
	Both hyperlinks and web pages are edges
Week 3	Yes, the answer is correct.
week 4	Score: 1 Accepted Answers:
	Web pages are the nodes and hyperlinks are the edges
Week 5	2) In pagerank algorithm on a directed network, we randomly move from a node A to 1 point
Week 6	a random node which is pointing to A
M/ I- 7	a random node which A is pointing to
Week 7	a random node out of all the nodes which are either pointing to A or the nodes which A is pointing
Week 8	to
	onone of the above
Week 9	Yes, the answer is correct. Score: 1
Week 10	Accepted Answers: a random node which A is pointing to
Week 11	3) Which of thew following statements is FALSE? 1 points
Week 12	Barbell graph is connected
	In both complete graph and cycle graph, every node has the same degree

Page Rank -	In any star graph having more than 2 nodes, there are at least 2 nodes having the same	degree
How does Google Work ? -	All the above statements are true	
Part 01 (unit?	No, the answer is incorrect.	
unit=218&lesson=219)	Score: 0	
Dogo Donk	Accepted Answers:	
Page Rank - How does	All the above statements are true	
Google Work ? -	4) Which of the following statements choose a random node from a graph G?	1 point
Part 02 (unit?		
unit=218&lesson=220)	○ random.choice(G)	
Page Rank -	random.node(G.nodes())	
How does	random.choice(G.nodes())	
Google Work ? -	onone of the above	
Part 03 (unit? unit=218&lesson=221)	No, the answer is incorrect.	
unit-2 rodiesson-22 r)	Score: 0	
Page Rank -	Accepted Answers:	
How does	none of the above	
Google Work ? - Part 04 (unit?	5) The function networkx.pagerank(G) returns	1 point
unit=218&lesson=222)	5)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	○ a list	
Page Rank - How does	O a set	
Google Work ? -	a dictionary	
Part 05 (unit?	a numpy array	
unit=218&lesson=223)		
Page Rank -	Yes, the answer is correct. Score: 1	
How does	Accepted Answers:	
Google Work ? -	a dictionary	
Part 06 (unit?	Choose one network from following which is not directed.	1 point
unit=218&lesson=224)	o) Choose one network from following which is not directed.	ι μοιπι
Page Rank -	citation network	
How does	Follower-followee network of Twitter	
Google Work ? - Part 07 (unit?	Supply chain network	
unit=218&lesson=225)		
	Friendship network of Facebook	
Page Rank - How does	Yes, the answer is correct. Score: 1	
Google Work ? -	Accepted Answers:	
Part 08 (unit?	Friendship network of Facebook	
unit=218&lesson=226)		4
Page Rank -	7) Which of the following functions is used to make a directed graph?	1 point
How does	networkx.DiGraph	
Google Work ? -	networkx.digraph	
Part 09 (unit? unit=218&lesson=227)	networkx.Digraph	
unit-2100(6550(1-221)		
Page Rank -	○ networkx.diGraph	
How does Google Work ? -	Yes, the answer is correct. Score: 1	
Part 10 (unit?	Accepted Answers:	
unit=218&lesson=228)	networkx.DiGraph	
Page Rank -		
How does	8) The output of G.out_edges(nodename) is	1 point
Google Work ? -	O List of lists	
Part 11 (unit?	List of dictionaries	
unit=218&lesson=229)	List of vertices	
	LIST OF VEHICES	

- Page Rank How does
 Google Work ? Part 12 (unit?
 unit=218&lesson=230)
- Page Rank How does
 Google Work ? Part 13 (unit?
 unit=218&lesson=231)
- Page Rank How does
 Google Work ? Part 14 (unit?
 unit=218&lesson=232)
- Page Rank How does
 Google Work ? Part 15 (unit?
 unit=218&lesson=233)
- Page Rank How does
 Google Work ? Part 16 (unit?
 unit=218&lesson=234)
- CollatzConjecture -Part 01 (unit?unit=218&lesson=235)
- CollatzConjecture -Part 02 (unit?unit=218&lesson=236)
- JOC Conclusion (unit? unit=218&lesson=237)
- Quiz : Assignment 12 (assessment? name=288)
- Programming Assignments-1:

Sentence (/noc20_cs35/progassignment? name=323)

- Programming
 Assignment-2:
 Letters
 (/noc20_cs35/progassignment?
 name=324)
- Programming
 Assignment-3:
 Email ID
 (/noc20_cs35/progassignment?
 name=325)

List of tuples

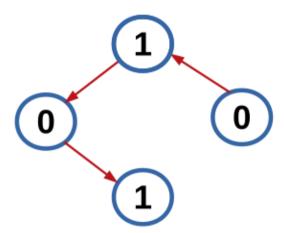
Yes, the answer is correct.

Score: 1

Accepted Answers:

List of tuples

9) What happens when a gold coin distribution game is played on the following network?



- One node ends up having all coins and the game stops
- The game stops after some iterations but one node does not end up having all the coins
- The game enters an infinite loop
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

One node ends up having all coins and the game stops

10) The number of gold coins in the gold coin distribution game

1 point

1 point

- keeps increasing in every subsequent iteration
- keeps decreasing in every subsequent iteration
- keeps varying randomly in every subsequent iteration
- remains constant

No, the answer is incorrect.

Score: 0

Accepted Answers:

remains constant

Week 12
Feedback (unit?
unit=218&lesson=326)

Text Transcripts

Download Videos

Books