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

Announcements (announcements)

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Unit 11 - Week 9

Course outline How does an **NPTEL** online course work? Week 0 Week 1 Week 2 Week 3 week 4 Week 5 Week 6 Week 7 Week 8 Week 9 Natural

Language

Assignment 9

The due date for submitting this assignment has passed.

Due on 2020-04-01, 23:59 IST.

Assignment submitted on 2020-04-01, 18:52 IST

- 1) The isalpha() function in NLTK

 1 point
 - returns true if all the words in a sentence are composed of alphabetic characters and false otherwise
 - returns true if all the characters in a word are alphabets and false otherwise
 - returns true if all the characters in a word are alphabets or numerics and false otherwise
 - None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

returns true if all the characters in a word are alphabets and false otherwise

2) Predict the output

1 point

```
my_para="i am to go to KT in A"
print(list(my_para))
```

- ['i', ' ', 'a', 'm', ' ', 't', 'o', ' ', 'g', 'o', ' ', 't', 'o', ' ', 'K', 'T', ' ', 'i', 'n', ' ', 'A']
- ['i', 'a', 'm', 't', 'o', 'g', 'o', 't', 'o', 'K', 'T', 'i', 'n', 'A']
- ['i', 'am', 'to', 'go', 'to', 'KT', 'in', 'A']
- ['i', '', 'am', '', 'to', '', 'go', '', 'to', '', 'KT', '', 'in', '', 'A']

Processing -	Yes, Sco	the answer is correct.	
Author	Acce	epted Answers:	
Stylometry (unit?		', 'a', 'm', ' ', 't', 'o', ' ', 'g', 'o', ' ', 't', 'o', ' ', 'K', 'T', ' ', 'i', 'n', ' ', 'A']	
unit=164&lesson	165)		
dilit 10-alesson	3) Wh	nich of the following is a valid function in NLTK?	1 point
Natural		6 N 10	
Language		freq_dist()	
Processing -		frequency_distribution()	
Author		FreqDist()	
Stylometry -		freqDist()	
Part 01 (unit? unit=164&lesson		irequisi()	
unit-164&lesson	INO,	the answer is incorrect.	
Natural	Sco		
Language		epted Answers:	
Processing -	Freq	nDist()	
Author	4) Pre	edict the output	1 point
Stylometry -	7)110	suct the output	i point
Part 02 (unit?			
unit=164&lesson	167)	import networkx as nx	
Natural		² G=nx . gnp_random_graph (100 ,1)	
Language		print (nx.is_connected (G))	
Processing -			
Author		_	
Stylometry -		True	
Part 03 (unit?		False	
unit=164&lesson	168)	"connected"	
• Natural		can not say	
Natural		can not say	
Language Processing -	Yes,	the answer is correct.	
Author	Sco		
Stylometry -		epted Answers:	
Part 04 (unit?	True		
unit=164&lesson	169) 5) Wh	nich of the following functions when applied to a graph G in networkx will give you its	1 point
		of separation?	,
Natural	uog. oo		
Language		is_connected(G)	
Processing - Author		order(G)	
Stylometry -			
Part 05 (unit?		diameter(G)	
unit=164&lesson	170)	None of the above	
		the answer is correct.	
Natural	Sco		
Language	Acce	epted Answers:	
Processing -		e of the above	
Author Stylometry -			
Part 06 (unit?	6) Wh	nat is the degree of separation of the following network?	1 point
unit=164&lesson	171)		
G. 10-101035011	,		
Natural			
Language			
Processing -			
Author			
Stylometry -			
Part 07 (unit?	172)		
unit=164&lesson	1/4)		

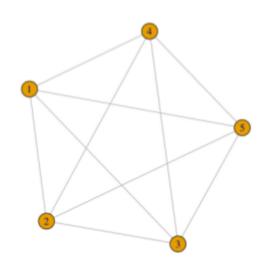
- Natural

 Language
 Processing Author
 Stylometry Part 08 (unit?
 unit=164&lesson=173)
- Natural

 Language
 Processing Author
 Stylometry Part 09 (unit?
 unit=164&lesson=174)
- Natural Language Processing -Author Stylometry -Part 10 (unit? unit=164&lesson=175)
- Introduction to Networkx -Part 01 (unit? unit=164&lesson=176)
- Introduction to Networkx -Part 02 (unit? unit=164&lesson=177)
- Six Degrees of Separation: Meet your favourites (unit? unit=164&lesson=178)
- Separation :
 Meet your
 favourites Part 01 (unit?
 unit=164&lesson=179)

Six Degrees of

- Six Degrees of Separation: Meet your favourites -Part 02 (unit? unit=164&lesson=180)
- Six Degrees of Separation:
 Meet your favourites -Part 03 (unit? unit=164&lesson=181)



23

0 1

4

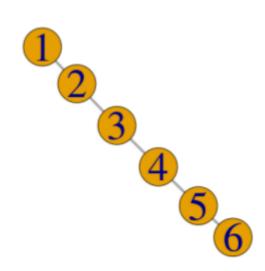
No, the answer is incorrect.

Score: 0

Accepted Answers:

1

7) What is the degree of separation of the following network?



1.333

2

2.333

6

No, the answer is incorrect.

Score: 0

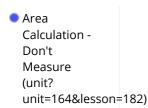
Accepted Answers:

2.333

8) What is the degree of separation of the following network?

1 point

1 point



- Area Calculation -Don't Measure - Part 01 (unit?
- unit=164&lesson=183) Area Calculation -

Don't Measure - Part 02 (unit?

unit=164&lesson=184)

Area Calculation -Don't

> Measure - Part 03 (unit?

unit=164&lesson=185)

Area Calculation -Don't Measure - Part

04 (unit? unit=164&lesson=186)

Area Calculation -Don't Measure - Part 05 (unit?

unit=164&lesson=187)

Area Calculation -Don't Measure - Part 06 (unit? unit=164&lesson=188)

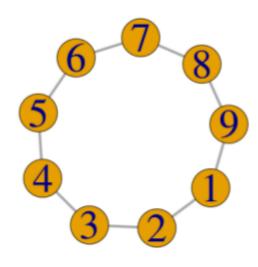
Quiz : **Assignment 9** (assessment? name=285)

Programming Assignment 1:

Swap the Case

(/noc20_cs35/progassignment/ name=311)

Programming Assignment-2: First and Last



0 1 2.5 3.5 **4**

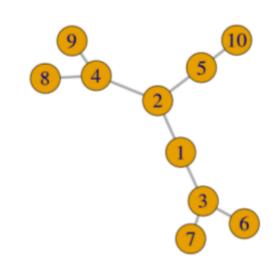
Yes, the answer is correct.

Score: 1

Accepted Answers:

2.5

9) What is the degree of separation of the following network?



1.82 2.5 2.82 **3**

No, the answer is incorrect.

Score: 0

Accepted Answers:

10 Degree of separation of a network is same as its

Order

1 point

1 point

(/noc20_cs35/prog name=312)	assignment?Size Average shortest path length
 Programming Assignment 3: Rotate the matrix (/noc20_cs35/prog name=313) 	Number of components Yes, the answer is correct. Score: 1 assignmented Answers: Average shortest path length
Week 9 Feedback (unit? unit=164&lesson=	314)

Week 11

Week 12

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