X

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 Processing - Author Stylometry (unit?unit=164&lesson=165)

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, 00:10 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

Yes, the answer is correct.
Score: 1

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']

Yes, the answer is correct.
Score: 1

Accepted Answers:
['i', ' ', 'a', 'm', ' ', 't', 'o', ' ', 'g', 'o', ' ', 't', 'o', ' ', 'K', 'T', ' ', 'i', 'n', ' ', 'A']

- Natural Language Processing - Author Stylometry - Part 01 (unit?unit=164&lesson=166)
- Natural Language Processing - Author Stylometry - Part 02 (unit?unit=164&lesson=167)
- Natural Language Processing - Author Stylometry - Part 03 (unit?unit=164&lesson=168)
- Natural Language Processing - Author Stylometry - Part 04 (unit?unit=164&lesson=169)
- Natural Language Processing - Author Stylometry - Part 05 (unit?unit=164&lesson=170)
- Natural Language Processing - Author Stylometry - Part 06 (unit?unit=164&lesson=171)
- Natural Language Processing - Author Stylometry - Part 07 (unit?unit=164&lesson=172)
- Natural Language Processing - Author Stylometry - Part 08 (unit?unit=164&lesson=173)

3) Which of the following is a valid function in NLTK? ***1 point***

- freq_dist()
- frequency_distribution()
- FreqDist()
- freqDist()

Yes, the answer is correct.
Score: 1

Accepted Answers:
FreqDist()

4) Predict the output ***1 point***

```
import networkx as nx
G=nx.gnp_random_graph(100,1)
print(nx.is_connected(G))
```

- True
- False
- "connected"
- can not say

Yes, the answer is correct.
Score: 1

Accepted Answers:
True

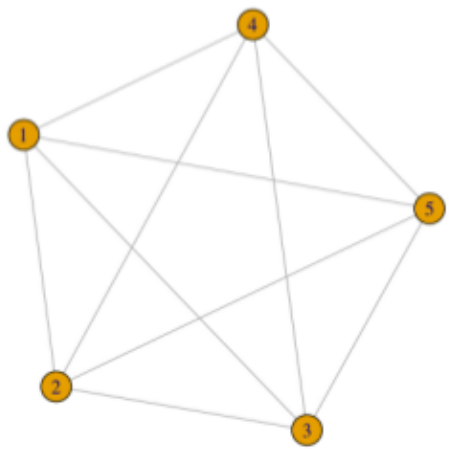
5) Which of the following functions when applied to a graph G in networkx will give you its degree of separation? ***1 point***

- is_connected(G)
- order(G)
- diameter(G)
- None of the above

Yes, the answer is correct.
Score: 1

Accepted Answers:
None of the above

6) What is the degree of separation of the following network? ***1 point***



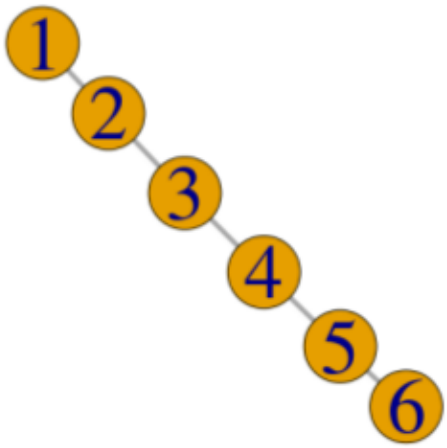
- Natural Language Processing - Author Stylometry - Part 09 (unit?unit=164&lesson=174)
- Natural Language Processing - Author Stylometry - Part 10 (unit?unit=164&lesson=175)
- Introduction to Networkx - Part 01 (unit?unit=164&lesson=176)
- Introduction to Networkx - Part 02 (unit?unit=164&lesson=177)
- Six Degrees of Separation : Meet your favourites (unit?unit=164&lesson=178)
- Six Degrees of Separation : Meet your favourites - Part 01 (unit?unit=164&lesson=179)
- 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)
- Area Calculation - Don't Measure (unit?unit=164&lesson=182)
- Area Calculation - Don't Measure - Part 01 (unit?unit=164&lesson=183)
- Area Calculation - Don't Measure

- (•) 1
- ( ) 2
- ( ) 3
- ( ) 4

Yes, the answer is correct.
Score: 1

Accepted Answers:
1

7) What is the degree of separation of the following network? ***1 point***

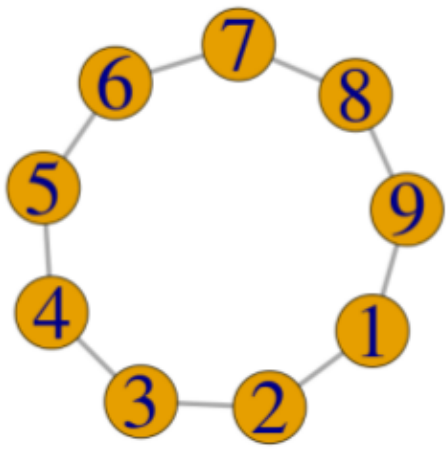


- ( ) 1.333
- ( ) 2
- (•) 2.333
- ( ) 6

Yes, the answer is correct.
Score: 1

Accepted Answers:
2.333

8) What is the degree of separation of the following network? ***1 point***



- ( ) 1
- (•) 2.5
- ( ) 3.5

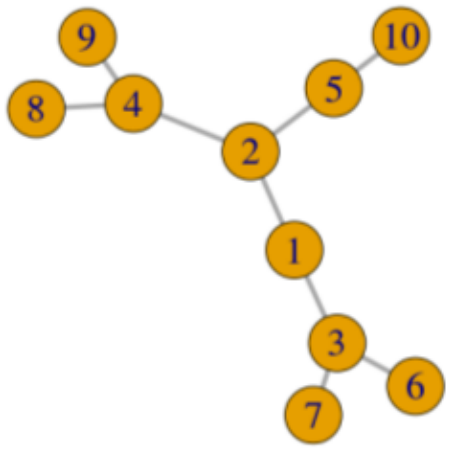
- Part 02 (unit?unit=164&lesson=184)
Area Calculation - Don't Measure - Part 03 (unit?unit=164&lesson=185)
Area Calculation - Don't Measure - Part 04 (unit?unit=164&lesson=186)
Area Calculation - Don't Measure - Part 05 (unit?unit=164&lesson=187)
Area Calculation - Don't Measure - Part 06 (unit?unit=164&lesson=188)
Quiz : Assignment 9 (assessment?name=285)
Programming Assignment 1: Swap the Case (/noc20_cs35/progassignment?name=311)
Programming Assignment-2: First and Last (/noc20_cs35/progassignment?name=312)
Programming Assignment 3: Rotate the matrix (/noc20_cs35/progassignment?name=313)
Week 9 Feedback (unit?unit=164&lesson=314)
Week 10
Week 11
Week 12
Text Transcripts
Download Videos
Books

4

Yes, the answer is correct.
Score: 1

Accepted Answers:
2.5

9) What is the degree of separation of the following network? ***1 point***



1.82
2.5
2.82
3

Yes, the answer is correct.
Score: 1

Accepted Answers:
2.82

10) Degree of separation of a network is same as its ***1 point***

Order
Size
Average shortest path length
Number of components

Yes, the answer is correct.
Score: 1

Accepted Answers:
Average shortest path length