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



Course outline

How does an NPTEL online course work?
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Week 0 ()

Week 1 ()

Week 2 ()

Week 3 ()

week 4 ()

Week 5 ()

Week 6 ()

Week 7 ()

Week 8 ()

● Tuples- Python Data Structure (unit? unit=165&lesso n=166)

● Lottery Simulation - Profit or Loss (unit? unit=165&lesso n=167)

Week 8 : Assignment 1

The due date for submitting this assignment has passed.

Due on 2023-03-22, 23:59 IST.

Assignment submitted on 2023-03-11, 12:09 IST

1) Which of the following is not true about Stylometry Analysis?

1 point

- ☐ It is the quantitative study of literature style
- ☐ It is based on the observation that the authors tend to write in relatively consistent and recognizable ways
- ☒ any two people may have the same vocabulary
- ☐ It is a tool to study a variety of questions involving style of writing

Yes, the answer is correct.

Score: 1

Accepted Answers:

any two people may have the same vocabulary

2) Which of the following is not true about tuples in python?

1 point

- ☐ Tuple consumes less memory
- ☐ Tuples are immutable
- ☒ Tuple supports item deletion
- ☐ Tuples does not support modification

Yes, the answer is correct.

Score: 1

Accepted Answers:

Tuple supports item deletion

3) What is the output of the following code snippet in python?

1 point

```
name=('kiran','bhushan','madan')
print(name[-1])
```

- ☐ invalid syntax
- ☐ tuple index out of range
- ☐ prints nothing



● Lottery
Simulation -
Profit or Loss -
Part 01 (unit?
unit=165&lesso
n=168)

● Lottery
Simulation -
Profit or Loss -
Part 02 (unit?
unit=165&lesso
n=169)

● Lottery
Simulation -
Profit or Loss -
Part 03 (unit?
unit=165&lesso
n=170)

● Lottery
Simulation -
Profit or Loss -
Part 04 (unit?
unit=165&lesso
n=171)

● Lottery
Simulation -
Profit or Loss -
Part 05 (unit?
unit=165&lesso
n=172)

● Lottery
Simulation -
Profit or Loss -
Part 06 (unit?
unit=165&lesso
n=173)

● Image
Processing -
Enhance your
images (unit?
unit=165&lesso
n=174)

● Image
Processing -
Enhance your
images - Part
01 (unit?
unit=165&lesso
n=175)

● Image
Processing -
Enhance your
images - Part
02 (unit?
unit=165&lesso
n=176)

● madan

Yes, the answer is correct.

Score: 1

Accepted Answers:

madan

4) Strings in python can be created using

1 point

- ☐ single quotes
- ☐ double quotes
- ☐ triple quotes
- ☐ only A and B
- ☒ A, B and C

Yes, the answer is correct.

Score: 1

Accepted Answers:

A, B and C

5) Networkx in python is used for which of the following operation(s)?

1 point

- ☐ Visualizing social network
- ☐ Analyzing social networks
- ☐ Generate social network
- ☒ All of the above
- ☐ None of the above

Yes, the answer is correct.

Score: 1

Accepted Answers:

All of the above

6) Which of the following will generate a complete graph in python using the networkx package?

1 point

- ☐ Graph = nx.gnp random graph(25,0.5)
- ☒ Graph = nx.gnp random graph(25,1.0)
- ☐ Graph = nx.gnp random graph(25,0.25)
- ☐ Graph = nx.gnp random graph(25,0.75)

Yes, the answer is correct.

Score: 1

Accepted Answers:

Graph = nx.gnp random graph(25,1.0)

7) Which of the following method will return the RGB value of a pixel in python?

1 point

- ☒ getpixel()
- ☐ RGBvalue()
- ☐ pixelValue()
- ☐ none of the above

Yes, the answer is correct.

Score: 1

Accepted Answers:

getpixel()

8) The degree of separation of a complete graph with n nodes is always



● Image Processing - Enhance your images - Part 03 (unit? unit=165&lesson=177)

● Anagrams (unit? unit=165&lesson=178)

● Anagrams - Part 01 (unit? unit=165&lesson=179)

● Anagrams - Part 02 (unit? unit=165&lesson=180)

● Anagrams - Part 03 (unit? unit=165&lesson=181)

● Facebook Sentiment Analysis (unit? unit=165&lesson=182)

● Facebook Sentiment Analysis - Part 01 (unit? unit=165&lesson=183)

● Facebook Sentiment Analysis - Part 02 (unit? unit=165&lesson=184)

● Facebook Sentiment Analysis - Part 03 (unit? unit=165&lesson=185)

● Facebook Sentiment Analysis - Part 04 (unit? unit=165&lesson=186)

● Week 8 Feedback Form: The Joy of Computing using Python

- ☐ n
☐ n-1
☒ 1
☐ 6

Yes, the answer is correct.
Score: 1

Accepted Answers:

1

9) Which of the following is true about six degrees of separation?

1 point

- ☐ the minimum degree of separation of any node in the network is 6
☐ the maximum degree of separation of any node in the network is 6
☒ the average degree of separation of the nodes in the network is 6
☐ the degree of separation of every node in the network is 6

Yes, the answer is correct.
Score: 1

Accepted Answers:

the average degree of separation of the nodes in the network is 6

10) What is the output of the following code?

1 point

```
1 import nltk
2 nltk.download('punkt')
3 from nltk.tokenize import sent_tokenize
4
5 mytext = "Have nice day, my friend !!! Programming in Python is fun"
6 print(sent_tokenize(mytext))
```

- ☐ ['Have nice day, my friend!!! Programming in Python is fun']
☒ ['Have nice day, my friend!!!', 'Programming in Python is fun']
☐ 'Have nice day, my friend!!!'
'Programming in Python is fun'
☐ Error

Yes, the answer is correct.
Score: 1

Accepted Answers:

['Have nice day, my friend!!!', 'Programming in Python is fun']



(unit?
unit=165&lesso
n=187)

● **Quiz: Week 8 :
Assignment 1
(assessment?
name=318)**

● Week 8:
Programming
Assignment 1
(/noc23_cs20/pr
ogassignment?
name=319)

● Week 8:
Programming
Assignment 2
(/noc23_cs20/pr
ogassignment?
name=320)

● Week 8:
Programming
Assignment 3
(/noc23_cs20/pr
ogassignment?
name=322)

Week 9 ()

Week 10 ()

Week 11 ()

Week 12 ()

**Text
Transcripts ()**

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Books ()

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()**

**Problem
Solving
Session ()**

