

## 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

☐ Tuples- Python Data Structure

☐ Lottery Simulation - Profit or Loss

☐ Lottery Simulation - Profit or Loss - Part 01

☐ Lottery Simulation - Profit or Loss - Part 02

☐ Lottery Simulation - Profit or Loss - Part 03

☐ Lottery Simulation - Profit or Loss - Part 04

☐ Lottery Simulation - Profit or Loss - Part 05

☐ Lottery Simulation - Profit or Loss - Part 06

☐ Image Processing - Enhance your images

☐ Image Processing - Enhance your images - Part 01

☐ Image Processing - Enhance your images - Part 02

☐ Image Processing - Enhance your images - Part 03

☐ Anagrams

☐ Anagrams - Part 01

☐ Anagrams - Part 02

☐ Anagrams - Part 03

☐ Facebook Sentiment Analysis

☐ Facebook Sentiment Analysis - Part 01

☐ Facebook Sentiment Analysis - Part 02

☐ Facebook Sentiment Analysis - Part 03

☐ Facebook Sentiment Analysis - Part 04

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

☒ Quiz: Week 8 : Assignment 1

☐ Week 8: Programming Assignment 1

☐ Week 8: Programming Assignment 2

☐ Week 8: Programming Assignment 3

Week 9

Week 10

Week 11

## Week 8 : Assignment 1

The due date for submitting this assignment has passed.

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

### Assignment submitted on 2023-03-19, 12:28 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
- ☒ 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()

Week 12

Text Transcripts

Download Videos

Books

Live Session

Problem Solving Session

☐ 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

1 point

☐ 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']*

