



## Courses » The Joy of Computing using Python

Announcements

**Course**

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# Unit 11 - Week 9: Cool Ideas(Part 7)

## Course outline

How to access the portal

Pre-requisite assignment

Week 1: Introduction

Week 2: Introduction to Python

Week 3: Cool Ideas (Part 1)

Week 4: Cool Ideas (Part 2)

Week 5: Cool Ideas (Part 3)

Week 6: Cool Ideas (Part 4)

Week 7: Cool Ideas(Part 5)

Week 8: Cool Ideas(Part 6)

Week 9: Cool Ideas(Part 7)

- Natural Language Processing - Author Stylometry

- Natural Language Processing - Author Stylometry - Part 01

## Assignment 9

The due date for submitting this assignment has passed. **Due on 2018-10-03, 23:59 IST.****Assignment submitted on 2018-10-03, 22:31 IST**

1) If the area of a country is 5400 km<sup>2</sup>, calculate the area of a state present in the country. (If points are placed randomly in the map of the country, then number of points in the country(except the state) is 70 and number of points in the state is 23.) **1 point**

- ☒ 1774.3 Km<sup>2</sup>  
☐ 502 Km<sup>2</sup>  
☐ 1774.3 m<sup>2</sup>  
☐ None of the above

**Yes, the answer is correct.****Score: 1****Accepted Answers:***1774.3 Km<sup>2</sup>*

2) `networks.shortest_path_length(G,x,y)` What do variables x and y represent here? **1 point**

- ☐ x represents target and y represents source  
☐ x represents target and y represents target  
☐ x represents source and y represents source  
☒ x represents source and y represents target

**Yes, the answer is correct.****Score: 1****Accepted Answers:***x represents source and y represents target*

3) State True or False: An image is a matrix of pixels. **1 point**

- ☒ True  
☐ False

**Yes, the answer is correct.****Score: 1****Accepted Answers:***True*

0 points

Natural Language Processing - Author Stylometry - Part 02

Natural Language Processing - Author Stylometry - Part 03

Natural Language Processing - Author Stylometry - Part 04

Natural Language Processing - Author Stylometry - Part 05

Natural Language Processing - Author Stylometry - Part 06

Natural Language Processing - Author Stylometry - Part 07

Natural Language Processing - Author Stylometry - Part 08

Natural Language Processing - Author Stylometry - Part 09

Natural Language Processing - Author Stylometry - Part 10

Introduction to Networkx - Part 01

Introduction to Networkx - Part 02

Six Degrees of Separation : Meet your favourites

4) How can we read an image in the form a matrix in Python?

- ☐ `i=scipy.misc.read("Image_name.png")`  
☐ `i=numpy.misc.read("Image_name.png")`  
☐ `i=Image.misc.read("Image_name.png")`  
☒ None of the above

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*`i=scipy.misc.read("Image_name.png")`*

5) What is Stylometry?

- ☐ Stylometry is qualitative study of literary style.  
☒ Stylometry is quantitative study of literary style.  
☐ Both  
☐ None of the above

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*Stylometry is quantitative study of literary style.*

6) Which of the following libraries is used for natural language processing?

- ☐ nlp  
☐ PIL  
☒ nltk  
☐ None of the above

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*nltk*

7) What does word\_tokenize() function in nltk do?

- ☐ It tokenises the text into sentences.  
☒ It tokenises the text into words.  
☐ It tokenises the text into characters.  
☐ None of the above

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*It tokenises the text into words.*

8) On an average, all human beings on this planet are \_\_\_\_\_ steps away from each other? **1 point**

- ☒ 6  
☐ 5  
☐ 4  
☐ 3

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*6*

9) What is Project Gutenberg?



- Six Degrees of Separation : Meet your favourites - Part 01
- Six Degrees of Separation : Meet your favourites - Part 02
- Six Degrees of Separation : Meet your favourites - Part 03
- Area Calculation - Don't Measure
- Area Calculation - Don't Measure - Part 01
- Area Calculation - Don't Measure - Part 02
- Area Calculation - Don't Measure - Part 03
- Area Calculation - Don't Measure - Part 04
- Area Calculation - Don't Measure - Part 05
- Area Calculation - Don't Measure - Part 06
- Programming Assignment-1: Palindrome
- Programming Assignment-2: Smallest Palindrome
- Programming Assignment-3: Holes
- Quiz : Assignment 9
- Week 9 Feedback

### Week 10: Cool Ideas(Part 8)

### Week 11

- ☐ It is a repository comprising of free images.
- ☐ It is a repository comprising of free music.
- ☒ It is a repository comprising of free ebooks.
- ☐ None of the above.

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*It is a repository comprising of free ebooks.*

10)How can nodes can be added to a graph using networkx package?

- ☒ `G=networkx.Graph()`  
`G.add_node(1)`
- ☐ `G=networkx.Graph()`  
`add_node(1)`
- ☐ `networkx.add_node(1)`
- ☐ `nx.add_node(1)`

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*`G=networkx.Graph()`*

*`G.add_node(1)`*



1 pc

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Week 12

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