



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

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## Course outline

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the portal

Week 1:  
Introduction

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Language  
Processing -  
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Part 01

☐ Natural  
Language

## Assignment 9

The due date for submitting this assignment has passed. **Due on 2019-04-03, 23:59 IST**

Assignment submitted on 2019-04-03, 22:51 IST

1) What should be the output of the following program?

1 point

```
import network as nx
```

```
G=nx.Graph()
```

```
for i in range(3):
```

```
    G.add_node(i)
```

```
G.add_edge(1,2)
```

```
G.add_edge(2,3)
```

```
G.add_edge(1,3)
```

```
nx.draw()
```

- ☐ A triangle graph
- ☐ A graph with 3 edges and an isolated node
- ☐ A graph with 3 edges and no isolated node
- ☒ Error

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*Error*

2) In network, in order to draw Erdos Renyi graph there is a function 'gnp\_random\_graph(n,p)'. What are n and p here? **1 point**

- ☐ n is the number of edges and p is the probability of edge creation.
- ☒ n is the number of nodes and p is the probability of edge creation.
- ☐ n is the number of edges and p is the probability of node creation.
- ☐ n is the number of nodes and p is the probability of node creation.

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*n is the number of nodes and p is the probability of edge creation.*

3) What does the function G.nodes() in networkx return?

1 point

- ☐ It returns the number of nodes present in the graph G.
- ☒ It returns the list of nodes present in the graph G.
- ☐ It returns the tuple of nodes present in the graph G.
- ☐ It returns the number of edges present in the graph G.

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Part 02

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Part 10

☐ Introduction to  
Networkx - Part  
01

☐ Introduction to  
Networkx - Part  
02

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01

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*It returns the list of nodes present in the graph G.*

4) What does the function `scipy.misc.read()` return?

1 point

- ☐ Image in the form of pixels
- ☐ A matrix of RGB values
- ☒ Image as Numpy array
- ☐ All of the above.

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*Image as Numpy array*

5) What is Stylometry?

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

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Stylometry is qualitative study of literary style.*

6) Which of the following statements is correct about tokenisation in Python?

1 point

- ☐ Tokenisation involves splitting words from the text.
- ☐ Tokenisation involves splitting sentences from the text.
- ☒ Both
- ☐ None of the above

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*Both*

7) What is Project Gutenberg?

1 point

- ☐ 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.*

8) Which of the following is a Graph visualisation software?

1 point

- ☒ Gephi
- ☐ Visual Graph
- ☐ Graph Plot
- ☐ None of the above

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

*Gephi*



- ☐ 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: Counter Spiral
- ☒ Programming Assignment-2: Maximum Numeric
- ☒ Programming Assignment-3: Email ID
- ☒ Quiz : Assignment 9
- ☐ Week 9 Feedback Form

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

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9) Is the Graph constructed by the following networkx program connected?

```
import networkx
G = networkx.Graph()
G.add_node(1)
G.add_node(2)
G.add_node(3)
G.add_node(4)
G.add_node(7)
G.add_node(9)
G.add_edge(1,2)
G.add_edge(3,1)
G.add_edge(2,4)
G.add_edge(4,1)
G.add_edge(9,1)
G.add_edge(1,7)
G.add_edge(2,9)
networkx.draw(G)
```

- ☒ Yes
- ☐ No

**Yes, the answer is correct.**

**Score: 1**

**Accepted Answers:**

Yes



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