X

Unit 3 - Week 1

Assignment 1

The due date for submitting this assignment has passed. **Due on 2020-02-12, 23:59 IST.**

Assignment submitted on 2020-01-15, 11:09 IST

1) If a='Social', b='Networks' then which of the following operation would show 'SocialNetworks' as output? ***1 point***

- a+b
- a+"+b
- a+""+b
- All of the above

Yes, the answer is correct.
Score: 1
Accepted Answers:
All of the above

2) What will be the output of the following Python code snippet? ***1 point***

```
a= {1:"A",2:"B",3:"C"}
print(a.get(1,4))
```

- 1
- A
- 4
- Invalid syntax of get() method

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

3) What will be the output of the following Python code? ***1 point***

```
a={1:"A",2:"B",3:"C"}
a.clear()
print(a)
```

- None
- { None:None, None:None, None:None}
- {1:None, 2:None, 3:None}
- { }

Yes, the answer is correct.
Score: 1
Accepted Answers:
{ }

4) Which of the following is true for variable names in Python? ***1 point***

- Variable names can be of any length
- All private members must have leading and trailing underscores
- Underscore and ampersand are the only two special characters allowed
- All of the above

Yes, the answer is correct.
Score: 1
Accepted Answers:
Variable names can be of any length

5) There are 25 telephones in Wonderland. Is it possible to connect them with wires so that each telephone is connected with exactly 7 others. ***1 point***

- Yes
- No

No, the answer is incorrect.
Score: 0
Accepted Answers:
No

6) Consider any group of two or more people, there are _____ people who have exactly the same number of friends inside the group. ***1 point***

- At least two
- Exactly two
- At least three
- None of the above

Yes, the answer is correct.
Score: 1
Accepted Answers:
At least two

7) The command networkx.info(G) doesn't give the following details about a graph G: ***1 point***

- Number of nodes
- Number of edges
- Connectedness
- Type of Graph: Graph/DiGraph

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

Week 2

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Connectedness

8) In networkx, which function is used to get the neighbors of a node in a graph G? ***1 point***

- G.neighboring()
- G.adjacent()
- G.adjoining()
- None of the above

Yes, the answer is correct.
Score: 1
Accepted Answers:
None of the above

9) What is the output of the following code snippet? ***1 point***

```
import networkx as nx
G = nx.Graph()
G.add_edges_from([(1,2),(3,4),(5,6),(7,8),(2,8),(4,6)])
G.remove_edges_from([(1,2),(3,4),(5,6)])
print(len(G.nodes()))
```

- 2
- 4
- 6
- None of the above

Yes, the answer is correct.
Score: 1
Accepted Answers:
None of the above

10) In the command ***networkx.erdos_renyi_graph(a, b)*** , the parameters a and b denote the following respectively: ***1 point***

- Number of edges and the probability with which edges are to be placed between every pair of nodes
- Number of nodes and the probability with which edges are to be placed between every pair of nodes
- The probability with which edges are to be placed between every pair of nodes and Number of edges
- Number of edges and Number of nodes

Yes, the answer is correct.
Score: 1
Accepted Answers:
Number of nodes and the probability with which edges are to be placed between every pair of nodes