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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » **The Joy Of Computing Using Python (course)**

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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 ()

Week 9 : Assignment

The due date for submitting this assignment has passed.
Due on 2023-09-27, 23:59 IST.

Assignment submitted on 2023-09-20, 21:14 IST

1) How can we identify which book is written by which author?　　　**1 point**

○ By matching handwriting.

◉ By analyzing word length with previous books.

○ By analyzing the number of pages in a book.

○ By analyzing the book's preface.

Yes, the answer is correct.
Score: 1
Accepted Answers:
By analyzing word length with previous books.

2) How can a list L be transformed into a tuple?　　　**1 point**

◉ tuple(L)

○ tup(L)

○ L(tuple)

○ L(tup)

Yes, the answer is correct.
Score: 1
Accepted Answers:
tuple(L)

3) Will the following piece of code always return True?　　　**1 point**

```
G = nx.gnp_random_graph(10, 0.5)
print(nx.is_connected(G))
```

○ True

◉ False

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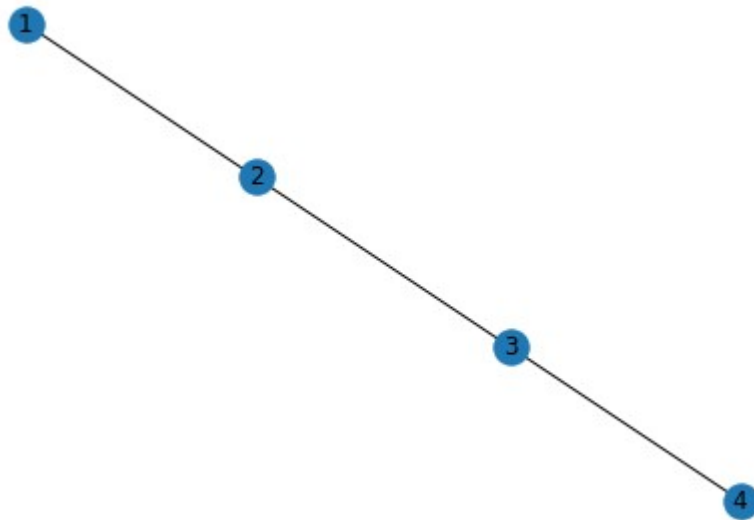Score: 1
Accepted Answers:
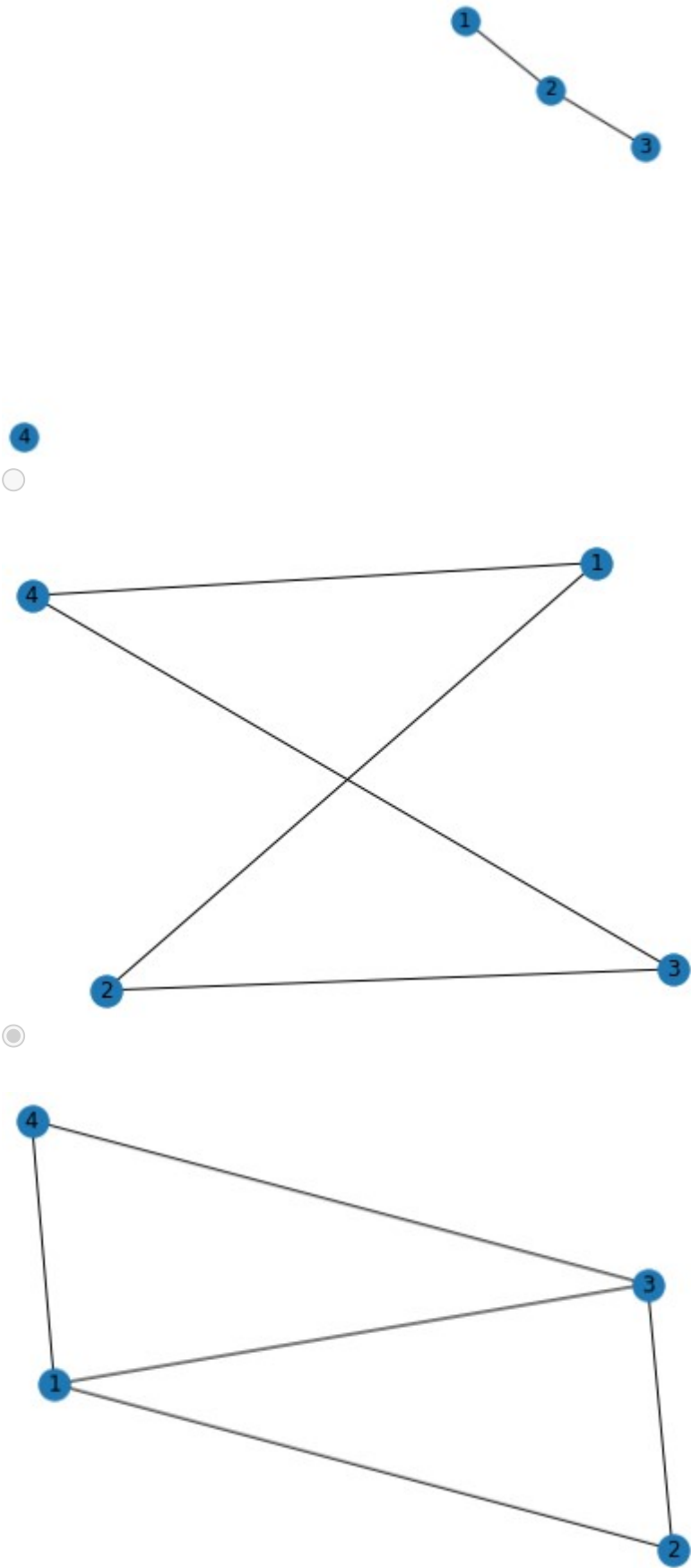*False*

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

```
1    import networkx as nx
2    import matplotlib.pyplot as plt
3
4
5    G = nx.Graph()
6    G.add_nodes_from([1, 2, 3, 4])
7    G.add_edges_from([(1, 2), (2, 1), (2, 3), (3,4), (4,1), (3,1)])
8
9    nx.draw(G,with_labels=True)
10   plt.show()
```
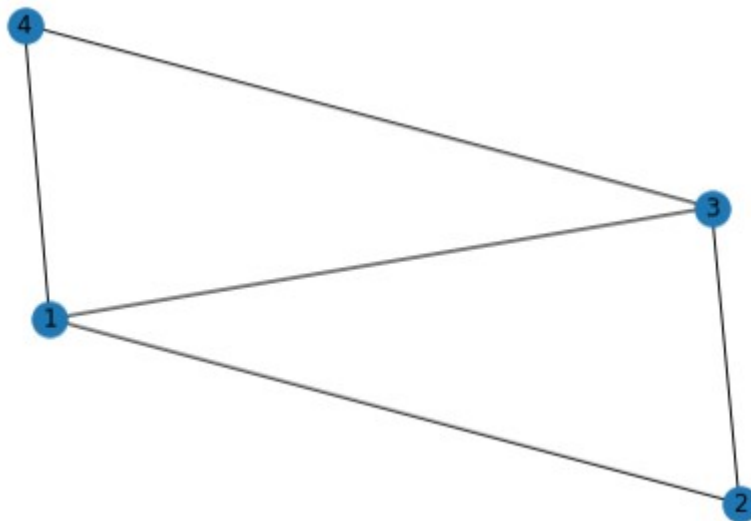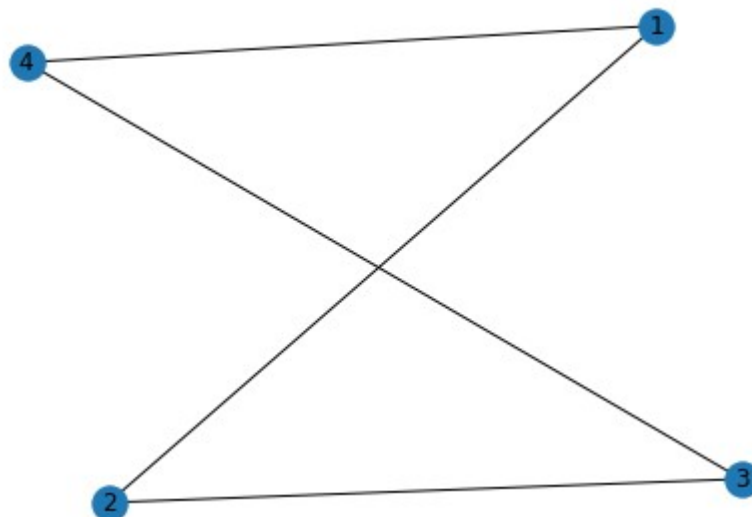
○

○

Yes, the answer is correct.

Score: 1
Accepted Answers:

5) How many edges are there in the following graph?   *1 point*
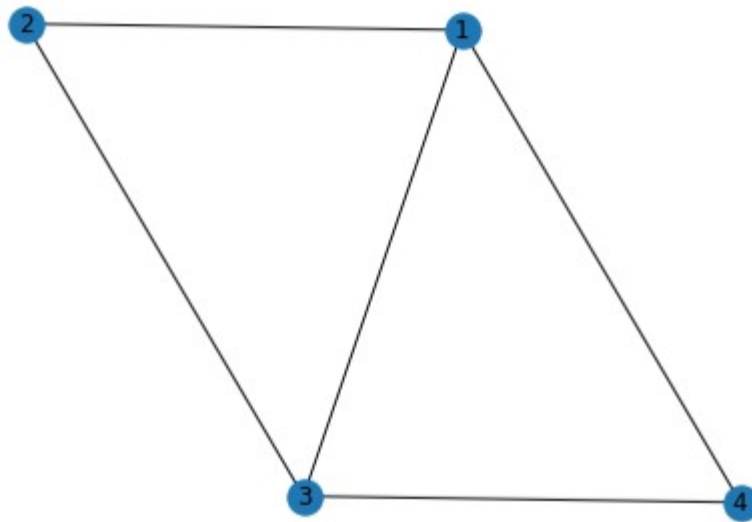

○ 4
○ 5
○ 3
○ 2

Yes, the answer is correct.
Score: 1

Accepted Answers:
4

6) How many neighbors does node 3 have?   t

○ 2

○ 4

○ 1

◉ 3

Yes, the answer is correct.
Score: 1

Accepted Answers:
3

7) In which of the following ways can we create a string in python?   ***1 point***

○ By using single quotes.

○ By using double-quotes.

○ By using triple-quotes.

◉ All of the above.

Yes, the answer is correct.
Score: 1

Accepted Answers:
All of the above.

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

○ It is quantitative study of literature style

○ It is based on the observation that the authors tend to write in relatively consistent and recognisable ways

◉ any two people may have same vocabulary

○ It is a tool to study variety of questions involving style of writing

Yes, the answer is correct.
Score: 1

Accepted Answers:
any two people may have same vocabulary

9) A complete graph will have __ degree of separation   ***1 point***

◉ 1

○ 2

○ 3

○ Depends on the number of nodes.

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

10) Networkx in pythons is used for   ***1 point***

○ Making networks

○ Analyzing networks

○ Visualizing networks

◉ All of the above

Yes, the answer is correct.
Score: 1

Accepted Answers:
All of the above