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NPTEL

Courses » Joy of computing using Python

Announcements　　**Course**　　Ask a Question　　Progress　　FAQ　　JOCWiki

Unit 12 - Week 10: Cool Ideas(Part 8)

Register for Certification exam

Course outline

How to access the portal

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)

Week 10: Cool Ideas(Part 8)

○ FLAMES - Part 01

○ FLAMES - Part 02

○ FLAMES - Part 03

○ FLAMES - Part 04

Assignment 10

The due date for submitting this assignment has passed. **Due on 2019-04-10, 23:59 IST.**

Assignment submitted on 2019-04-10, 20:52 IST

1) What is the output when the following statement is executed?　　　　　　*1 point*
print('new' 'line')

- ○ new line
- ⦿ newline
- ○ new
line
- ○ new,line

Yes, the answer is correct.
Score: 1

Accepted Answers:
newline

2) What is the output of the statement *print(s.upper())* if s='SImRan' ?　　　*1 point*

- ⦿ SIMRAN
- ○ SIMran
- ○ SiMrAn
- ○ None of the above

Yes, the answer is correct.
Score: 1

Accepted Answers:
SIMRAN

3) If the string s="Python" then what is the output of the statement print(s[::-1])?　　*1 point*

- ○ "Python"
- ○ "onthPy"
- ○ "Pythno"
- ⦿ "nohtyP"

Yes, the answer is correct.
Score: 1

Accepted Answers:
"nohtyP"

4) What is the relationship between RANVEER and DEEPIKA according to the game FLAMES? *1 point*

- ⦿ Affection
- ○ Marriage

○ Friends

○ Enemy

Yes, the answer is correct.
Score: 1

Accepted Answers:
Affection

5) What is the count obtained after cancelling the common letters between RAVIKIRAN and ANUSHKA according to the game FLAMES?   *1 point*

○ 6

○ 7

◉ 8

○ 9

Yes, the answer is correct.
Score: 1

Accepted Answers:
8

6) What is the output of the following program?   *1 point*

import numpy as np
a = np.array([1,2,3,5,8])
b = np.array([0,3,4,2,1])
c = a + b
c = c*a
print (c[2])

○ 20

◉ 21

○ 26

○ 27

Yes, the answer is correct.
Score: 1

Accepted Answers:
21

7) What is the output of the statement print(a.size) if a is a numpy array defined as a = np.array([[1,2,3],[0,1,4]])?   *1 point*

○ 4

○ 5

◉ 6

○ 7

Yes, the answer is correct.
Score: 1

Accepted Answers:
6

8) State True or False.   *1 point*

numpy.asanyarray(input) converts input to an ndarray. Here, input can be scalars, lists, lists of tuples, tuples, tuples of tuples, tuples of lists.

◉ True

○ False

Yes, the answer is correct.
Score: 1

Accepted Answers:
True

9) What is the output of the following Python program?   *1 point*

```
import numpy as np
a = np.array([[0, 1, 0], [1, 0, 1]])
a += 3
b = a + 3
print (a[1,2] + b[1,2])
```

- ⦿ 11
- ○ 12
- ○ 13
- ○ 14

Yes, the answer is correct.

Score: 1

Accepted Answers:

11

10Which of the following attributes is used to obtain picture size using PIL in Python?   *1 point*

- ○ shape
- ⦿ size
- ○ area
- ○ volume

Yes, the answer is correct.

Score: 1

Accepted Answers:

size

Previous Page	End