

Unit 6 - Week 5

Course outline

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Assignment 5

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-09-04, 23:59 IST.

1)

```
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])
```

- 7
 12
 10
 21

No, the answer is incorrect.
Score: 0

Accepted Answers:
21

1 point

2)

```
import numpy as np
a = np.array([1,2,3,5,8])
print (a.ndim)
```

- 0
 1
 2
 3

No, the answer is incorrect.
Score: 0

Accepted Answers:
1

1 point

3)

```
import numpy as np
a = np.array([1,2,3,4,5])
b = np.arange(0,10,2)
c = a + b
print (c[4])
```

- 4
 5
 13
 15

No, the answer is incorrect.
Score: 0

Accepted Answers:
13

1 point

4)

```
import numpy as np
a = np.array([[1,2,3],[0,1,4]])
b = np.zeros((2,3), dtype=np.int16)
c = np.ones((2,3), dtype=np.int16)
d = a + b + c
print (d[1,2])
```

- 0
 1
 5
 8

No, the answer is incorrect.
Score: 0

Accepted Answers:
5

1 point

5)

```
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])
```

- 2
 11
 8
 14

No, the answer is incorrect.
Score: 0

Accepted Answers:
11

1 point

6)

```
import numpy as np
a = np.array([[0, 1, 2], [3, 4, 5]])
b = a.sum(axis=1)
print (b)
```

- 3
 12
 [3 12]
 [3 5 7]

No, the answer is incorrect.
Score: 0

Accepted Answers:
[3 12]

1 point

7) What is the syntax in numpy to generate 3x3 size array with normally distributed elements

- np.random.normal(size=(3,3))
 np.random(size=(3,3))
 np.normal(size=(3,3))
 np.random.normal()

No, the answer is incorrect.
Score: 0

Accepted Answers:
np.random.normal(size=(3,3))

1 point

8) What is the syntax in numpy to change random number generation seed

- np.random.seed(value)
 np.random(value)
 np.seed(value)
 np.random.seed()

No, the answer is incorrect.
Score: 0

Accepted Answers:
np.random.seed(value)

1 point

9) What is the syntax in numpy to save multiple arrays in uncompressed archives on disk

- np.savez(archivename.npz, array1, array2)
 np.savez(array1, array2)
 np.savez(archivename.npz)
 All

No, the answer is incorrect.
Score: 0

Accepted Answers:
np.savez(archivename.npz, array1, array2)

1 point

10) What is the syntax in numpy to save array data on disk

- np.save('array_name.npy', array_name)
 np.save(array_name)
 np.save('array_name.npy')
 None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
np.save('array_name.npy', array_name)

1 point