

[↑ Back to 'Day 5'](#)

Started on	Tuesday, 26 May 2020, 2:25 PM
State	Finished
Completed on	Tuesday, 26 May 2020, 2:45 PM
Time taken	19 mins 50 secs
Marks	10.00/11.00
Grade	9.09 out of 10.00 (91%)

Question **1**

Correct

Mark 1.00 out of 1.00

Correct syntax of the reshape() function in Numpy array python is -

Select one or more:

- ☐ a. reshape(shape)
- ☒ b. array.reshape(shape) ✓
- ☒ c. numpy.reshape(array,shape) ✓
- ☐ d. reshape(shape,array)

Your answer is correct.

The correct answers are: array.reshape(shape), numpy.reshape(array,shape)



Question **2**

Correct

Mark 1.00 out of 1.00

What is/are the advantage(s) of NumPy Arrays over classic Python lists?

Select one:

- ☐ a. Insertion, concatenation and deletion are faster.
- ☐ b. It has better support for mathematical operations.
- ☐ c. They consume less memory.
- ☒ d. All of the above. ✓

Your answer is correct.

The correct answer is: All of the above.



Question **3**

Correct

Mark 1.00 out of 1.00

What will be the output of the following?

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

Select one:

- ☐ a. 5
- ☐ b. 3
- ☐ c. 2
- ☒ d. 1 ✓
- ☐ e. 0

Your answer is correct.

The correct answer is: 1



Question **4**

Incorrect

Mark 0.00 out of 1.00

How can we convert the Numpy array to list in python?

Select one:

- ☐ a. list(array)
- ☐ b. list.array
- ☐ c. array.list
- ☒ d. None of the above ✖

Your answer is incorrect.

The correct answer is: list(array)



Question 5

Correct

Mark 1.00 out of 1.00

How we can find the type of numpy array in python ? This question will not be graded. It is meant to explain to you the difference between type and dtype with context to arrays. Adding a short explainer below.

```
import numpy as np

a = np.array([1])

print(type(a))
print(a.dtype)
```

```
<class 'numpy.ndarray'>
int64
```

Select one:

- ☐ a. type
- ☐ b. typei
- ☐ c. itype
- ☒ d. dtype ✓

Your answer is correct.

The correct answer is: dtype

Question **6**

Correct

Mark 1.00 out of 1.00

What is the use of the zeros() function in Numpy array in python?

Select one:

- ☒ a. To make a Matrix with all element 0 ✓
- ☐ b. To make a Matrix with all diagonal element 0
- ☐ c. To make a Matrix with first row 0
- ☐ d. None of the above

Your answer is correct.

The correct answer is: To make a Matrix with all element 0



Question **7**

Correct

Mark 1.00 out of 1.00

Which of the following counts the number of elements in Numpy array?

Select one:

- ☐ a. shape()
- ☐ b. count()
- ☒ c. size() ✓
- ☐ d. return()

Your answer is correct.

The correct answer is: size()



Question **8**

Correct

Mark 1.00 out of 1.00

Which of the following is correct way to import the Numpy module in your program ?

Select one:

- ☐ a. import numpy
- ☐ b. import numpy as np
- ☐ c. from numpy import *
- ☒ d. All of the above ✓

Your answer is correct.

The correct answer is: All of the above



Question 9

Correct

Mark 1.00 out of 1.00

To create sequences of numbers, NumPy provides a function _____ analogous to range that returns arrays instead of lists.

Select one:

- ☐ a. all of the above
- ☐ b. aspace
- ☐ c. aline
- ☒ d. arange ✓

Your answer is correct.

The correct answer is: arange



Question **10**

Correct

Mark 1.00 out of 1.00

What will be the output of the following?

```
import numpy as np  
  
a = np.zeros(6)  
b = np.arange(0,10,2)  
c = a + b  
print (c[4])
```

Select one:

- ☐ a. 0
- ☐ b. 2
- ☐ c. 8
- ☐ d. 10
- ☒ e. An exception is thrown. ✓

Your answer is correct.

The correct answer is: An exception is thrown.



Question **11**

Correct

Mark 1.00 out of 1.00

What will be the output of the following?

```
import numpy as np

a = np.array([[1,2,3],[0,1,4]])
print (a.size)
```

Select one:

- ☐ a. 5
- ☐ b. 1
- ☐ c. 2
- ☒ d. 6 ✓
- ☐ e. 0

Your answer is correct.

The correct answer is: 6



[PREVIOUS ACTIVITY](#)
[Learning Module](#)

[NEXT ACTIVITY](#)
[Learning Module - Day 6](#)



