



HTML

CSS



NumPy Quiz Results

Score: 12 of 25

48% Correct:

Question 1:

What is a correct syntax to create a NumPy array?

✓ `np.array([1, 2, 3, 4, 5])`

Your answer

`np.object([1, 2, 3, 4, 5])`

`np.createArray([1, 2, 3, 4, 5])`

Question 2:

Which of the following arrays is a two dimensional (2-D) array?

✓ `[[1, 2, 3], [4, 5, 6]]`


Your answer

`42`

`[1, 2, 3, 4, 5]`


Question 3:

What is a correct syntax to check the number of dimensions in an array?

 <code>np.dim()</code>	Your answer
<code>np.ndim()</code>	
<code>np.dim</code>	
<code>np.ndim</code>	Correct answer

Question 4:


What is a correct syntax to print the first item of an array?

 <code>print(myArr[0])</code>	Your answer
<code>print(myArr[1])</code>	
<code>print(myArr,1)</code>	

Question 5:

What is a correct syntax to print the number 8 from the array below:

```
arr = np.array([[1,2,3,4,5], [6,7,8,9,10]])
```

 <code>print(arr[1, 2])</code>	Your answer
<code>print(arr[3, 0])</code>	
<code>print(arr[7, 2])</code>	

Question 6:

What is a correct syntax to print the numbers [3, 4, 5] from the array below:

```
arr = np.array([1,2,3,4,5,6,7])
```

✗ `print(arr[2:4])`

Your answer

`print(arr[2:6])`

`print(arr[2:5])`

Correct answer

`print(arr[3:6])`

Question 7:

Which syntax would print the last 4 numbers from the array below:

```
arr = np.array([1,2,3,4,5,6,7])
```

✓ `print(arr[3:])`

Your answer

`print(arr[4])`

`print(arr[4:])`

`print(arr[:4])`

Question 8:

Which syntax would print every other item from the array below:

```
arr = np.array([1,2,3,4,5,6,7])
```

✗ `print(arr(0: step = 2))`

Your answer


`print(arr[1:3:5:7])`

`print(arr[::2])`

Correct answer


Question 9:

What is a correct syntax to check the data type of an array?

 <code>arr.type</code>	Your answer
<code>arr.dtype</code>	Correct answer
<code>arr.ctype</code>	
<code>arr.datatype</code>	


Question 10:

What is a correct syntax to create an array of type float?

 <code>arr = np.array([1, 2, 3, 4]).toFloat()</code>	Your answer
<code>arr = np.array([1, 2, 3, 4], dtype='f')</code>	Correct answer
<code>arr = np.float([1, 2, 3, 4])</code>	

Question 11:

Only one of the following statements is true when it comes to Views in NumPy, which one?

 The view SHOULD be affected by the changes made to the original array.	Your answer
The view SHOULD NOT be affected by the changes made to the original array.	

Question 12:

Only one of the following statements is true when it comes to Copies in NumPy, which one?

✓ The copy SHOULD NOT be affected by the changes made to the original array.

Your answer

The copy SHOULD be affected by the changes made to the original array.

Question 13:

In NumPy, what does the SHAPE of an array mean?

✓ The shape is the number of elements in each dimension.

Your answer

The shape is the number of columns.

The shape is the number of rows.

Question 14:

What is a correct syntax to return the shape of an array?

✗ `arr.shape()`

Your answer

`shape(arr)`

`arr.shape`

Correct answer

Question 15:

What is a correct method to join two or more arrays?

✗ `join()`

Your answer

`array_join()`

`concatenate()`

Correct answer

Question 16:

What is a correct method to split arrays?

✗ All the other 3 answers are correct

Your answer

`hstack()``vstack()``array_split()`

Correct answer

Question 17:

What is a correct method to search for a certain value in an array?

✓ `where()`

Your answer

`find()``search()`

Question 18:

What is a correct syntax to return the index of all items that has the value 4 from the array below:

```
arr = np.array([1,4,3,4,5,4,4])?
```

✗ `arr.search(4)`

Your answer

`np.where(arr == 4)`

Correct answer

`arr.where()`

Question 19:

What is a correct method to sort the elements of an array?

✓ `sort()`

Your answer

`orderby()`

`order()`

Question 20:

When using the NumPy `random` module, how can you return a random number from 0 to 100?

✗ `random.rand(100)`

Your answer

`random.randint(100)`

Correct answer

`random.rand()`

Question 21:

When using the NumPy `random` module, how can you return a Normal Data Distribution with 1000 numbers, concentrated around the number 50, with a standard deviation of 0.2?

✗ `random.normal(size=1000, normal=50, s=0.1)`

Your answer

`random.normal(size=1000, loc=50, scale=0.2)`

Correct answer

`random.normal(size=1000, mean=50, deviation=0.2)`

Question 22:

What is a correct syntax to mathematically add the numbers of `arr1` to the numbers of `arr2`?

✓ np.add(arr1, arr2)

Your answer

np.append(arr1, arr2)

sum(arr1, arr2)

Question 23:

What is a correct syntax to subtract the numbers from arr1 with the numbers from arr2?

✗ np.sub(arr1, arr2)

Your answer

np.subtract(arr1, arr2)

Correct answer

np.minus(arr1, arr2)

np.min(arr1, arr2)

Question 24:

What is a correct method to round decimals in NumPy?

✓ All the other 3 are rounding methods in NumPy

Your answer

np.around()

np.fix()

np.trunc()

Question 25:

What would be the answer of this cumulative summation in NumPy?

```
arr = np.array([1,2,3])  
print(np.cumsum(arr))
```


✖ [6]	Your answer
[9]	
[1 3 6]	Correct answer
[3 6 9]	

Study NumPy in our NumPy Tutorial

Kickstart your career

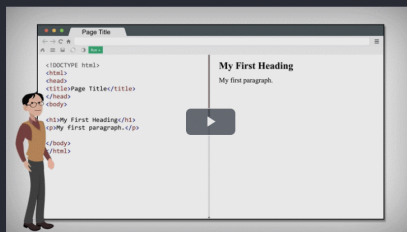
Get certified by completing a course

Get certified



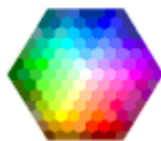
NEW

We just launched
W3Schools videos



Explore now

COLOR PICKER



LIKE US



Get certified
by completing
a course today!



[Get started](#)

CODE GAME

[Play Game](#)[Report Error](#)[Forum](#)[About](#)[Shop](#)

Top Tutorials

[HTML Tutorial](#)[CSS Tutorial](#)[JavaScript Tutorial](#)[How To Tutorial](#)[SQL Tutorial](#)[Python Tutorial](#)[W3.CSS Tutorial](#)[Bootstrap Tutorial](#)[PHP Tutorial](#)

[Java Tutorial](#)
[C++ Tutorial](#)
[jQuery Tutorial](#)

Top References

[HTML Reference](#)
[CSS Reference](#)
[JavaScript Reference](#)
[SQL Reference](#)
[Python Reference](#)
[W3.CSS Reference](#)
[Bootstrap Reference](#)
[PHP Reference](#)
[HTML Colors](#)
[Java Reference](#)
[Angular Reference](#)
[jQuery Reference](#)

Top Examples

[HTML Examples](#)
[CSS Examples](#)
[JavaScript Examples](#)
[How To Examples](#)
[SQL Examples](#)
[Python Examples](#)
[W3.CSS Examples](#)
[Bootstrap Examples](#)
[PHP Examples](#)
[Java Examples](#)
[XML Examples](#)
[jQuery Examples](#)

Web Courses

[HTML Course](#)
[CSS Course](#)
[JavaScript Course](#)
[Front End Course](#)
[SQL Course](#)
[Python Course](#)
[PHP Course](#)
[jQuery Course](#)
[Java Course](#)
[C++ Course](#)
[C# Course](#)
[XML Course](#)

[Get Certified »](#)

full correctness of all content. While using W3Schools, you agree to have read and accepted our terms of use, cookie and privacy policy.

Copyright 1999-2021 by Refsnes Data. All Rights Reserved.
W3Schools is Powered by W3.CSS.

