



Week One Quiz

[Back to Week 1](#)

12/12 points earned
(100%)

Quiz passed!



1 / 1
points

1.

Python is an example of an



Interpreted language



Correct

This material was covered in the "Python Functions" lecture.



Declarative language



Operating system language



Data science language



Low level language



1 / 1
points

2.

Data Science is a



Branch of statistics



Branch of computer science



Branch of artificial intelligence



Interdisciplinary, made up of all of the above



Correct

This material was covered in the "Data Science" lecture.

1 / 1
points

3.

Data visualization is not a part of data science.☐ True☒ False

Correct

This material was covered in the "Data Science" lecture.

1 / 1
points

4.

Which bracketing style does Python use for tuples?☐ {}☒ ()

Correct

This material was covered in the "Python Types and Sequences" lecture.

☐ []1 / 1
points

5.

In Python, strings are considered Mutable, and can be changed.☒ False

Correct

This material was covered in the "Python More on Strings" lecture.

☐ True1 / 1
points

6.

What is the result of the following code: ['a', 'b', 'c'] + [1, 2, 3]



['a', 'b', 'c', 1, 2, 3]



Correct

This material was covered in the "Python Types and Sequences" lecture.

- ☐ **TypeError: Cannot convert list(int) to list(str)**
 - ☐ ['a1', 'b2', 'c3']
 - ☐ [['a', 'b', 'c'], [1, 2, 3]]
-



1 / 1
points

7.

String slicing is

- ☐ A way to make string mutable in python
- ☐ A way to reduce the size on disk of strings in python
- ☒ A way to make a substring of a string in python



Correct

This material was covered in the "Python More on Strings" lecture.



1 / 1
points

8.

When you create a lambda, what type is returned? E.g. `type(lambda x: x+1)` returns

- ☒ **<class 'function'>**



Correct

This material was covered in the "Advanced Python Lambda and List Comprehensions" lecture.

- ☐ <class 'type'>
 - ☐ <class 'int'>
 - ☐ <class 'object'>
-



1 / 1
points

9.

The epoch refers to

- ☐ January 1, year 0
- ☒ January 1, year 1970

Correct

This material was covered in the "Python Dates and Times" lecture.

- ☐ January 1, year 1980
- ☐ January 1, year 2000

1 / 1
points

10.

This code, `[x2 for x in range(10)]`, is an example of a**

- ☒ List comprehension

Correct

This material was covered in the "Advanced Python Lambda and List Comprehensions" lecture.

- ☐ Sequence comprehension
- ☐ Tuple comprehension
- ☐ List multiplication

1 / 1
points

11.

Given a 6x6 NumPy array `r`, which of the following options would slice the shaded elements?

0	1	2	3	4	5
6	7	8	9	10	11
12	13	14	15	16	17
18	19	20	21	22	23
24	25	26	27	28	29
30	31	32	33	34	35



```
1 r[:,::7]
2 |
```



```
1 r[0:6,::-7]
2 |
```



```
1 r[:, :7]
2 |
```



```
1 r.reshape(36)[::7]
2 |
```



Correct

You could also use `np.diag(r)`. This material was covered in "Advanced Python Demonstration: The Numerical Python Library (NumPy)"



1 / 1
points

12.

Given a 6x6 NumPy array `r`, which of the following options would slice the shaded elements?

0	1	2	3	4	5
6	7	8	9	10	11
12	13	14	15	16	17
18	19	20	21	22	23
24	25	26	27	28	29
30	31	32	33	34	35



```
1 r[:, :2]
2 |
```



```
1 r[[2,3],[2,3]]
2 |
```