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## Week One Quiz

Back to Week 1



12/12 points earned (100%)

Quiz passed!



1/1 points

1.

Python is an example of an

O

**Interpreted language** 

Correct

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

Operating system language
Data science language
Low level language



1/1 points

2.

Data Science is a

- O Branch of statistics
- O Branch of computer science
- Branch of artificial intelligence
- O Interdisciplinary, made up of all of the above

Correct

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

<b>~</b>	1 / 1 points
3. Data v	risualization is not a part of data science.
0	True
0	False
Corre This	ect material was covered in the "Data Science" lecture.
4.	1 / 1 points
	bracketing style does Python use for tuples?
0	<b>{</b> }
0	()
Corre This	ect material was covered in the "Python Types and Sequences" lecture.
0	[]
<b>~</b>	1 / 1 points
5. <b>In Pytl</b>	hon, strings are considered Mutable, and can be changed.
0	False
Corre This	ect material was covered in the "Python More on Strings" lecture.
0	True

**/** 

1 / 1 points

6.

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



•	['a', 'b', 'c', 1, 2, 3]
Corr	ect
This	material was covere

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

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



1/1 points

7.

String slicing is

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

Correct

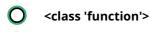
This material was covered in the "Python More on Strings" lecture.



1/1 points

8.

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



Correct

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

0	<class 'type'=""></class>
0	<class 'int'=""></class>
$\bigcirc$	<class 'object'<="" th=""></class>



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, [x\*\*2 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

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

0	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