

Week One Quiz

Quiz, 12 questions

✓ **Congratulations! You passed!**

Next Item



1 / 1
point

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
point

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.

Week One Quiz

Quiz, 12 questions

3.

Data visualization is not a part of data science.

☐ True

☒ False

Correct

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



1 / 1
point

4.

Which bracketing style does Python use for tuples?

☐ {}

☒ ()

Correct

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

☐ []



1 / 1
point

5.

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

☒ False

Correct

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

☐ True



1 / 1
point

Week One Quiz

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

Quiz, 12 questions

☒ ['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
point

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
point

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'>



Week One Quiz

Quiz, 12 questions



1 / 1
point

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
point

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
-



0 / 1
point

11.

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

Week One Quiz

Quiz, 12 questions

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 |
```



This should not be selected

This material was covered in "Advanced Python Demonstration: The Numerical Python Library (NumPy)"



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



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



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



1 / 1
point

12.

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

Week One Quiz

Quiz, 12 questions

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[[2,3],[2,3]]
2 |



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



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



1 r[2:4, 2:4]
2 |



Correct

This material was covered in "Advanced Python Demonstration: The Numerical Python Library (NumPy)"



Week One Quiz

Quiz, 12 questions