



Week One Quiz

12 questions

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1.

Python is an example of an

- ☐ Interpreted language
- ☐ Declarative language
- ☐ Operating system language
- ☐ Data science language
- ☐ Low level language

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2.

Data Science is a

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

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3.

Data visualization is not a part of data science.

- ☐ True
- ☐ False

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4.

Which bracketing style does Python use for tuples?

- ☐ { }
 - ☐ ()
 - ☐ []
-

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5.

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

- ☐ False
 - ☐ True
-

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6.

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

- ☐ ['a', 'b', 'c', 1, 2, 3]
 - ☐ **TypeError: Cannot convert list(int) to list(str)**
 - ☐ ['a1', 'b2', 'c3']
 - ☐ [['a', 'b', 'c'], [1, 2, 3]]
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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
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8.

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

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

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9.

The epoch refers to

- ☐ January 1, year 0
 - ☐ January 1, year 1970
 - ☐ January 1, year 1980
 - ☐ January 1, year 2000
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10.

This code, `[x**2 for x in range(10)]`, is an example of a

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

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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

2

r[0:6,::-7]
- ☐

1

2

r[:,::-7]
- ☐

1

2

r.reshape(36)[::-7]
- ☐

1

2

r[::-7]

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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

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