Week One Quiz

12 questions

1 point

1.
Python is an example of an

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

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**

1 point

3.
Data visualization is not a part of data science.

- True
- False

1 point

4.

Which bracketing style does Python use for tuples?

- **{ }**
- **( )**
- **[ ]**

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1 point

5.

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

- False
- True

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1 point

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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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**

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1 point

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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1 point

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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1 point

10.

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

- **List comprehension**
- **Sequence comprehension**
- **Tuple comprehension**
- **List multiplication**

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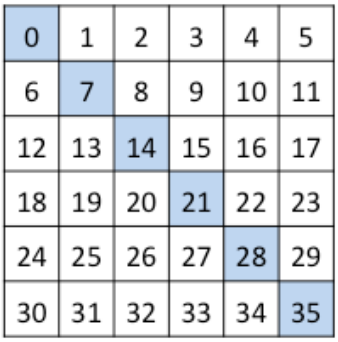
1 point

11.

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




- ```
  r[:,::7]
  ```

- ```
  r[::7]
  ```

- ```
  r.reshape(36)[::7]
  ```

- ```
  r[0:6,::-7]
  ```

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1 point

12.

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