Week One Quiz

LATEST SUBMISSION GRADE
100%

1. **Python is an example of an**

1 / 1 point

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

> ✓ Correct
> This material was covered in the "Python Functions" lecture.

2. **Data Science is a**

1 / 1 point

- ○ Branch of statistics
- ⦿ **False**

> ✓ Correct
> This material was covered in the "Data Science" lecture.

4. **Which bracketing style does Python use for tuples?**

1 / 1 point

- ○ { }
- ⦿ ( )
- ○ [ ]

> ✓ Correct

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

1 / 1 point

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

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

7. **String slicing is**

1 / 1 point

- ○ <class 'type'>
- ○ <class 'int'>
- ○ <class 'lambda'>

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

9. **The epoch refers to**

1 / 1 point

- ○ January 1, year 0
- ⦿ **January 1, year 1970**
- ○ January 1, year 1980
- ○ List multiplication

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

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

1 / 1 point

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

- ○
  ```
  r[::7]
  ```

- ⦿
  ```
  r.reshape(36)[::7]
  ```

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

- ○
  ```
  r[[1,2,3],[1,2,3]]
  ```

- ⦿
  ```
  r[2:4,2:4]
  ```

- ○
  ```
  r[::2,::2]
  ```

- ○
  ```
  r[2::2,2::2]
  ```

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