1 point

Python is an example of an

- (●) Interpreted language
- ( ) Declarative language
- ( ) Operating system language
- ( ) Data science language
- ( ) Low level language

1 point

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

Data visualization is not a part of data science.

- ○ True
- ◉ False

1 point

Which bracketing style does Python use for tuples?

- ○ {}
- ◉ ()
- ○ []

1 point

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

- (●) False
- ( ) True

1 point

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]]

1 point

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

1 point

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

- (●) <class 'function'>
- ( ) <class 'type'>
- ( ) <class 'int'>
- ( ) <class 'lambda'>

1 point

The epoch refers to

- ○ January 1, year 0
- ◉ January 1, year 1970
- ○ January 1, year 1980
- ○ January 1, year 2000

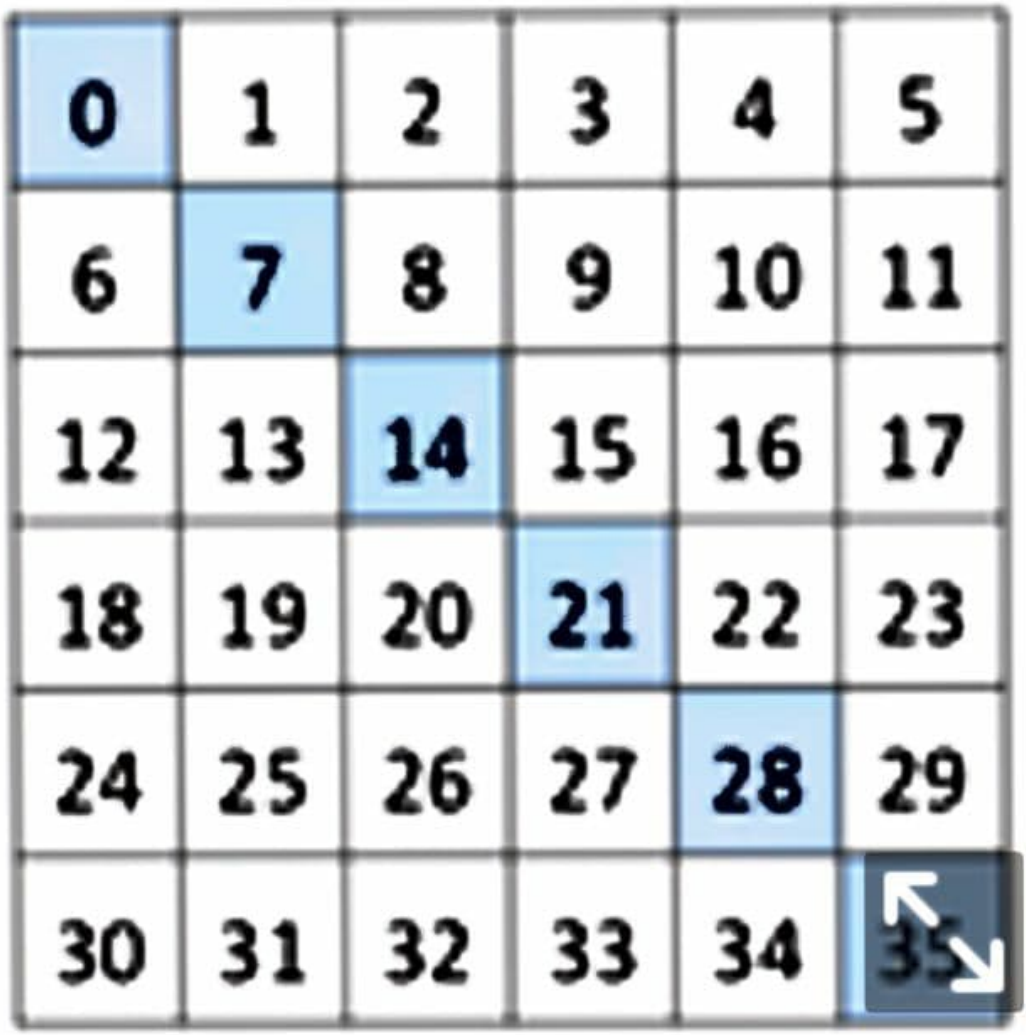
1 point

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

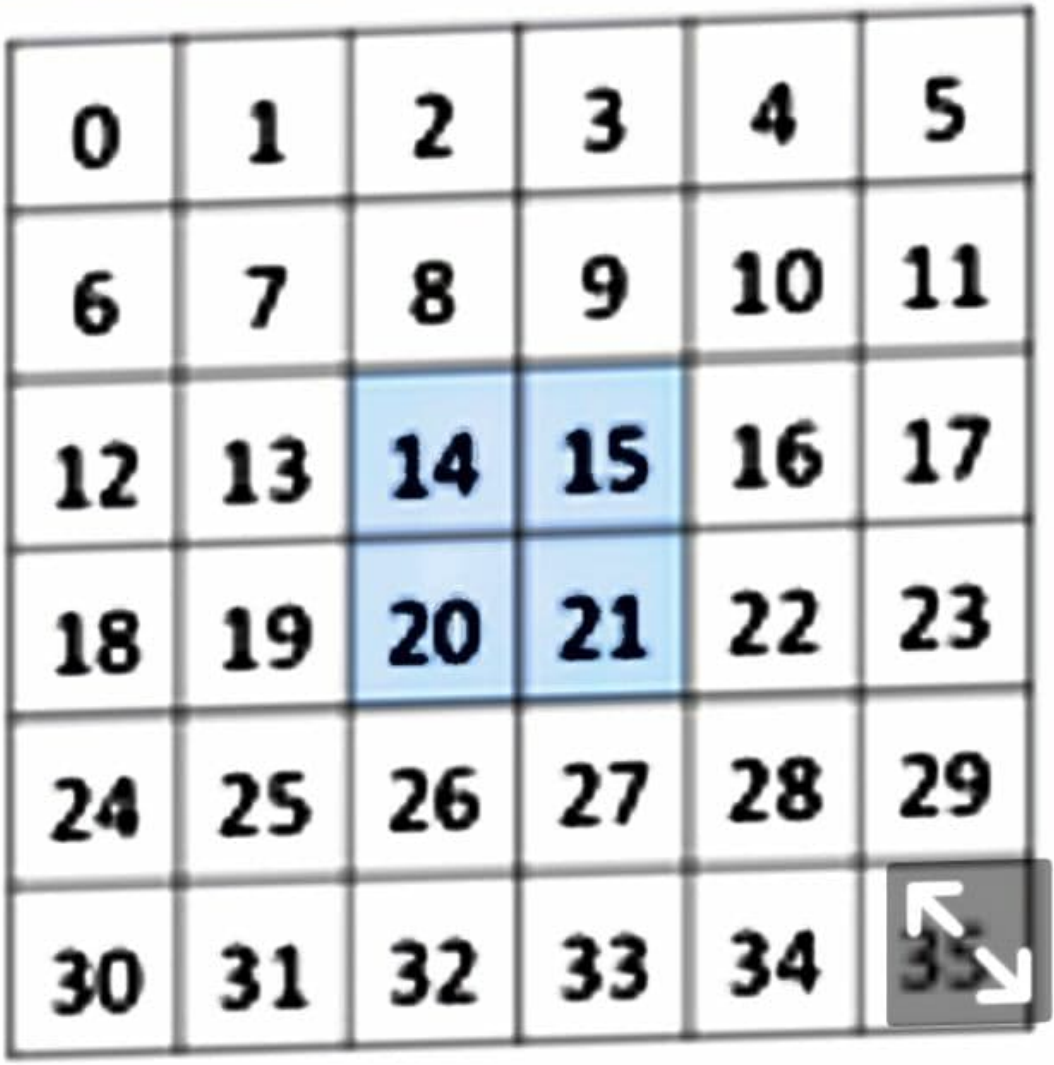
- (●) List comprehension
- ( ) Sequence comprehension
- ( ) Tuple comprehension
- ( ) List multiplication

1 point

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



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



- ○ `r[2::2,2::2]`
- ○ `r[[2,3],[2,3]]`
- ○ `r[::2,::2]`
- ◉ `r[2:4,2:4]`