⊕ English ∨

✓ **Congratulations! You passed!**

Grade received 100%   To pass 80% or higher

Go to next item

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1. How are lists created in Python?

1 / 1 point

○ With curly brackets {}

○ By calling the list() function

◉ Using square brackets []

✓ **Correct**
Correct. Lists in Python use square brackets around comma separated values.

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2. What will be the value of colors[2] given the list below?

1 / 1 point

```
1   colors = ['red', 'green', 'blue']
```

Run

Reset

```
['red', 'green', 'blue']
```

○ red

○ green

◉ blue

✓ **Correct**
Correct. Lists are 0-indexed so colors[2] accesses the 3rd element, 'blue'.

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3. How can you iterate through a dictionary called subjects in Python?

1 / 1 point

○ for subject in subjects:

◉ for value in subjects.values():

○ for index in range(len(subjects)):

✓ **Correct**
Correct. To loop over a dictionary's values, use subjects.values().

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4. Which statement about tuples in Python is TRUE?

1 / 1 point

○ Tuples contents are mutable

◉ Tuples are immutable

○ Tuples and lists are identical

○ Tuples do not retain order

✓ **Correct**
Correct. A key property of tuples is that they are immutable or cannot change post-creation.

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5. What makes sets different from other data structures in Python?

1 / 1 point

◉ They only contain unique elements

○ They are immutable

○ They have key-value pairs

○ They use parentheses ()