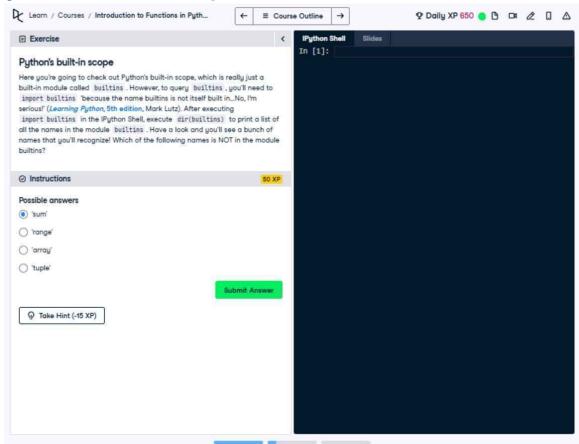# Python's Built-in Scope

☐ Exercise ‹

Python's built-in scope

Here you're going to check out Python's built-in scope, which is really just a built-in module called `builtins`. However, to query `builtins`, you'll need to `import builtins` 'because the name builtins is not itself built in...No, I'm serious!' (*Learning Python*, 5th edition, Mark Lutz). After executing `import builtins` in the IPython Shell, execute `dir(builtins)` to print a list of all the names in the module `builtins`. Have a look and you'll see a bunch of names that you'll recognize! Which of the following names is NOT in the module builtins?

⊘ Instructions 50 XP

Possible answers

◉ 'sum'

◯ 'range'

◯ 'array'

◯ 'tuple'

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In [1]:

Question:

Here you're going to check out Python's built-in scope, which is really just a built-in module called 'builtins'.

To query 'builtins', you need to import builtins because the name builtins is not itself built-in.

After executing `import builtins` in the Python Shell, execute `dir(builtins)` to print a list of all the names in the module 'builtins'.

Which of the following names is NOT in the module 'builtins'?

Possible answers:

1. 'sum'

2. 'range'

3. 'array'

4. 'tuple'

Correct Answer:

The correct answer is: 'array'

Explanation:

1. The built-in module 'builtins' contains a list of all built-in functions, constants, and types that Python provides without any imports.
2. 'sum', 'range', and 'tuple' are part of the builtins module as they are widely used built-in functions and types in Python.
3. 'array', however, is not part of the builtins module. It is part of the 'array' module in Python, which must be explicitly imported to use.
4. To confirm, running `import builtins` and then `dir(builtins)` will display all the names in the module, and 'array' will not be listed.