

4 Call Assertions

Call Assertions

Mocks record calls and provide different mechanisms for inspecting how calls were made.

Mock objects include methods used to make assertions about calls. [Assertion methods](#) raise an [AssertionError](#) for False assertions.

The below code demonstrates some common assertion methods.

```
1 from unittest.mock import Mock
2
3 fake_object = Mock()
4
5 # The assert_not_called method ensures the mock was not called.
6 fake_object.assert_not_called()
7
8 # Call the mock object so that it can record the call.
9 fake_object('hi', 'there')
10
11 # The assert_called method ensures the mock was called at least
12 fake_object.assert_called()
13
14 # The assert_called_once method ensures the mock was called only
15 fake_object.assert_called_once()
16
17 # The assert_called_with method inspects the arguments passed to
18 fake_object.assert_called_with('hi', 'there')
19
20 # The assert_called_once_with method ensures the mock was called
21 fake_object.assert_called_once_with('hi', 'there')
22
23 # The reset_mock method clears recorded calls allowing the mock
24 fake_object.reset_mock()
25 fake_object.assert_not_called()
```

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```
15 fake_object.assert_called_once()
16
17 # The assert_called_with method inspects the arguments passed to
18 fake_object.assert_called_with('hi', 'there')
19
20 # The assert_called_once_with method ensures the mock was called
21 fake_object.assert_called_once_with('hi', 'there')
22
23 # The reset_mock method clears recorded calls allowing the mock
24 fake_object.reset_mock()
25 fake_object.assert_not_called()
26
27 #####
28 print('No assertion errors')
```

Instructions

1. Arrange the **playground.py** file to match the code above.
2. Run **playground.py** in the IDE's terminal pane.

```
1 python3 cloudacademy/playground.py
```

No assertion errors

★ Proceed to the next step ★

✓ Validations

- ☐ On Track - Call Assertions
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