Unit-Testing 2: Mocking and Stubbing with Dependency Injection

1.

2.

3.

```
def test_transform():
    def mock_get_countries():
        return [{"name": "United Kingdom", "alpha3Code": "UK", "currencies": [{"code": "GBP"}]]]

test_name = "United Kingdom"
    expected = {"name": "United Kingdom", "country_code": "UK", "currency_code": "GBP"}
    actual = transform(test_name, mock_get_countries)

assert actual == expected
    print("test_transform: Passed")
```

4.

```
def test_show_country_info():
    def mock_get_countries():
        return [{"name": "United Kingdom", "alpha3Code": "UK", "currencies": [{"code": "GBP"}]}]

def mock_print(*args):
    pass

def mock_input(msg):
    return 0

expected = {"name": "United Kingdom", "country_code": "UK", "currency_code": "GBP"}
    actual = show_country_info(mock_get_countries, transform, mock_print, mock_input)

assert expected == actual
    print("test_show_country_info: Passed")
```