

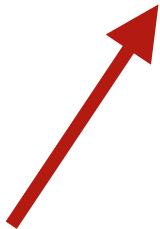

```
from unittest.mock import patch, call
from my_module import total_value
```

```
def test_total_value():
```

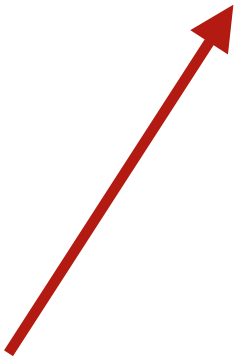
```
    with patch('my_module.db_read') as mock_read:
        mock_read.return_value = [100, 200]
```

```
        assert 300. == total_value("karl@python.de", 92)
```

```
        assert [call("karl@python.de", inv_no=92)] == mock_read.calls
```



**mock validates
interaction**



**stub returns
canned
values**

Option: Patch a Mock

```
with patch('my_module.db_read') as mock_read:
```

from my module import total_value

assert 300. == total_value('krypton.de', 92)

assert[call('karr@pythond',inv_no=92)]==mkread.calls

from unittest.mock import patch, call

```
def test_total_value():
```

```
mock_read.return_value = [100, 200]
```

Option: Inject a Mock

#core.pv

items = db_read(email, invoid=invoid_id)

```
def total_value(main_id, inv_id, discount=0.0):
```


from db import read

```
return sum(items)*(1.0-discount)
```