
Singletons

- ❖ Enforces that only one of an object ever exists
- ❖ Useful in settings, logging, database conns, etc...
- ❖ Modules are already singletons (via `sys.modules`)
 - ❖ This is the best route generally
 - ❖ Can use `__call__` to fake properties (Python3.7+)
- ❖ Singleton classes can be created with meta classes

Singletons: settings example

❖ settings.py

```
# defaults  
host = "localhost"  
port = 1234
```

❖ secondary.py

```
import settings  
settings.port = 42
```

❖ main.py

```
import settings, secondary  
print(settings.host, settings.port) # prints "localhost, 42"
```