

Forum: [Hack Forums](#)

Thread: [Context Managers](#)

(?°?°)?(???? - February 21, 2017, 9:08 am

[Github - Context Managers \(the code\)](#)

I'm not a fan of the way HF formats code so I'm going to be posting pictures. Click the link at the top for the code itself.

I have a few more tutorials planned, let me know if you guys want anything specific.

Goodies - February 21, 2017, 11:18 am

Nice! Too many people on here don't use context managers, and then they mess up their try/finally blocks.

It should also be noted that, while Python 2.7 does not have built in support for certain context managers (primarily sockets), you can (and should) use the [contextlib module](#).

PHP Code

```
<?php
#!/usr/bin/env python3
import socket
with socket.socket(socket.AF_INET, socket.SOCK_STREAM) as sock:
    sock.connect(("7.7.7.7", 80))
```

This will work in Python3, but will not in Python2. Generally, what you do is this:

PHP Code

```
<?php
#!/usr/bin/env python2
import socket

sock = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
try:
    sock.connect(("7.7.7.7", 80))
finally:
    sock.close()
```

Equivalently, you can use contextlib's "closing" wrapper:

PHP Code

```
<?php
#!/usr/bin/env python2
import socket
from contextlib import closing
with closing(socket.socket(socket.AF_INET, socket.SOCK_STREAM)) as sock:
```

```
sock.connect(("7.7.7.7", 80))
```

etc...

But yes, context managers are just classes that have the `_enter_` and `_exit_` functions defined. That timer is actually pretty nifty, although I usually just use a decorator.

(???)?(???? - February 21, 2017, 11:47 am

(Feb 21, 2017 12:18 PM)Goodies Wrote: [\[CITE\]](#) -snip-

I didn't know that since I don't work with sockets but I've seen a few other people use them on here. Thanks!

Goodies - February 21, 2017, 12:11 pm

(Feb 21, 2017 12:47 PM)(???)?(???? Wrote: [\[CITE\]](#) I didn't know that since I don't work with sockets but I've seen a few other people use them on here. Thanks!

Yeah! Context managers are about as close as we can get to constructors/destructors.