

Forum:[Hack Forums](#)

Thread: [Handling Multiple Exceptions at Once?](#)

TheWarOwl - April 20, 2017, 7:38 pm

Hey everyone!

I just had a quick curious question, I can't seem to find any information on...

Let me give you an example - let's say I'm programming a program that communicates over a network and I want the program to "Try - Except" and "Pass" whenever a `ConnectionResetError` is thrown or a `ConnectionTimeout` error is thrown - how can I handle both of these at once, but only those two?

If my question confuses you I could give some example code - otherwise any help is appreciated, I'm always trying to learn! Thanks!

Retribute - April 20, 2017, 7:59 pm

An except clause may name multiple exceptions as a parenthesized tuple.

PHP Code

```
<?php
except (ConnectionResetError, ConnectionTimeout):
    pass
```

TheWarOwl - April 20, 2017, 8:03 pm

Ah, that simple? Thank you very much.

Goodies - April 20, 2017, 11:18 pm

If you want to do different things with different errors:

PHP Code

```
<?php
try:
    exception_raising_method()
except ConnectionResetError:
    print("Port is closed. TCP RST Received")
except ConnectionTimeout:
    print("Connection Timed Out")
except Exception as e:
    print("{}: {}".format(type(e).__name__, e))
```

hunter24957 - April 21, 2017, 7:37 am

This will eliminate the need for a pass on an exception.

PHP Code

```
<?php
from contextlib import suppress
```

```
with suppress(ConnectionResetError, ConnectionTimeout):  
    # Your code here
```

TheWarOwl - April 21, 2017, 5:41 pm

(Apr 20, 2017 11:18 PM)Goodies Wrote: [\[CITE\]](#) If you want to do different things with different errors:

PHP Code

```
<?php  
try:  
    exception_raising_method()  
except ConnectionResetError:  
    print("Port is closed. TCP RST Received")  
except ConnectionTimeout:  
    print("Connection Timed Out")  
except Exception as e:  
    print("{}: {}".format(type(e).__name__, e))
```

Cool, thank you! I didn't know you could do multiple except statements.

(Apr 21, 2017 07:37 AM)hunter24957 Wrote: [\[CITE\]](#) This will eliminate the need for a pass on an exception.

PHP Code

```
<?php  
from contextlib import suppress  
  
with suppress(ConnectionResetError, ConnectionTimeout):  
    # Your code here
```

You as well - Thanks for the examples. I'll use alot of this.