Catching Exceptions

Specific Exception	Multiple Exceptions I	Multiple Exceptions II
<pre>try: foo() except TypeError as e: bar()</pre>	<pre>try: foo() except (TypeError, NameError) as e: bar()</pre>	<pre>try: foo() except TypeError as e: bar() except NameError as e: another_bar()</pre>
All exceptions	Regardless of exceptions	If no exceptions were raised
<pre>try: foo() except: bar()</pre>	<pre>try: foo() except: # something finally: bar()</pre>	<pre>try: foo() except: # something else: bar()</pre>

Defining Exceptions

```
class MyError(Exception):
    # do something
```

Raising Exceptions

raise MyError("This is a message")

Common built-in exceptions

Description	Example
Invalid attribute name	a [1, 2].foobar()
Failed import statement	import unknown_module
Out-of-range sequence index	a = b[len(b)]
Invalid dictionary key	a = {"b": 1, "c": 2}["d"]
Undefined local or global name	a = undefined_foobar
Type inappropriate for operation	a = len(123)
Invalid value	a = [1, 2].index(3)
Division by 0	a = 5 / 0
	Invalid attribute name Failed import statement Out-of-range sequence index Invalid dictionary key Undefined local or global name Type inappropriate for operation Invalid value

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