Try-else Clauses

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The `try...else` Construct

Targeted Try-block

```python
try:

    # This code might raise an exception

    do_something()

except ValueError as e:

    # ValueError caught and handled

    handle_value_error(e)

else:

    # No exception was raised
    # We know that do_something() succeeded, so

    do_something_else()
```

Ambiguous Try-block

```python
try:

    # This code might raise an exception

    do_something()

    do_something_else()

except ValueError as e:

    # ValueError caught and handled

    handle_value_error(e)
```

Using the `try...except...else` Construct

```python
try:

    f = open(filename, "rt")

except OSError:

    print("File could not be opened for read")

else:

    # Now we're sure the file is open

    num_lines = sum(1 for line in f)

    print("Number of lines", num_lines)

    f.close()
```

Combining try...else and try...finally

```python
try:
    # statements that can raise exceptions
    potentially_raising_operation()
except:
     # executed to handle exceptions
    handle_raised_exception()
else:
    # executed if there is no exception
    dependent_on_success()
finally:
    # executed regardless
    always_before_moving_on()
```