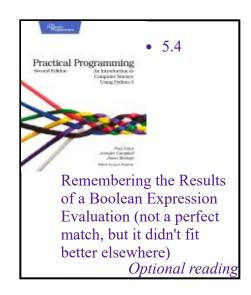
No if Required

It is common for new programmers to write code like the following:

```
def is_even(num):
    """ (int) -> bool
    Return whether num is even.
    """

if num % 2 == 0:
    return True
else:
    return False
```

This works, but is stylistically questionable. It's also more typing and reading than is necessary!



num % 2 == 0 already produces True or False, so that expression can be used with the return statement:

```
def is_even(num):
    """ (int) -> bool
    Return whether num is even.
    """
    return num % 2 == 0
```

Jennifer Campbell • Paul Gries University of Toronto