

No if Required

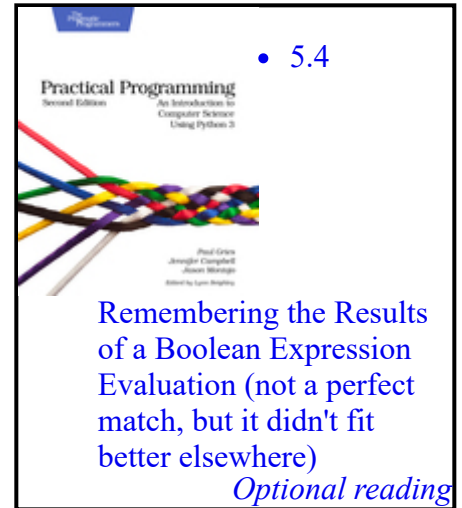
It is common for new programmers to write code like the following:

```
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
