

Functions are Objects 2

- ◆ Consider this:

```
def shabby_log(function: Callable, value: Any) -> Any:  
    print(function, value)  
    return function(value)
```

- ◆ Looks like this:

```
>>> shabby_log(odd, 3)  
<function odd at 0x613978> 3  
True
```

- ◆ The **shabby_log()** function accepts a function as an argument

Higher-Order Functions

- ◆ This is cool:

```
>>> list(map(odd, [1, 2, 3, 4]))  
[True, False, True, False]
```

- ◆ **map()** applies the **odd()** function to each value in the list

- ◆ As if we did this:

```
[odd(1), odd(2), odd(3), odd(4)]
```