

```
[num for num in fibs if is_even(num)]
```

```
[1, 1, 2, 3, 5, 8, 13, 21, 34]
```

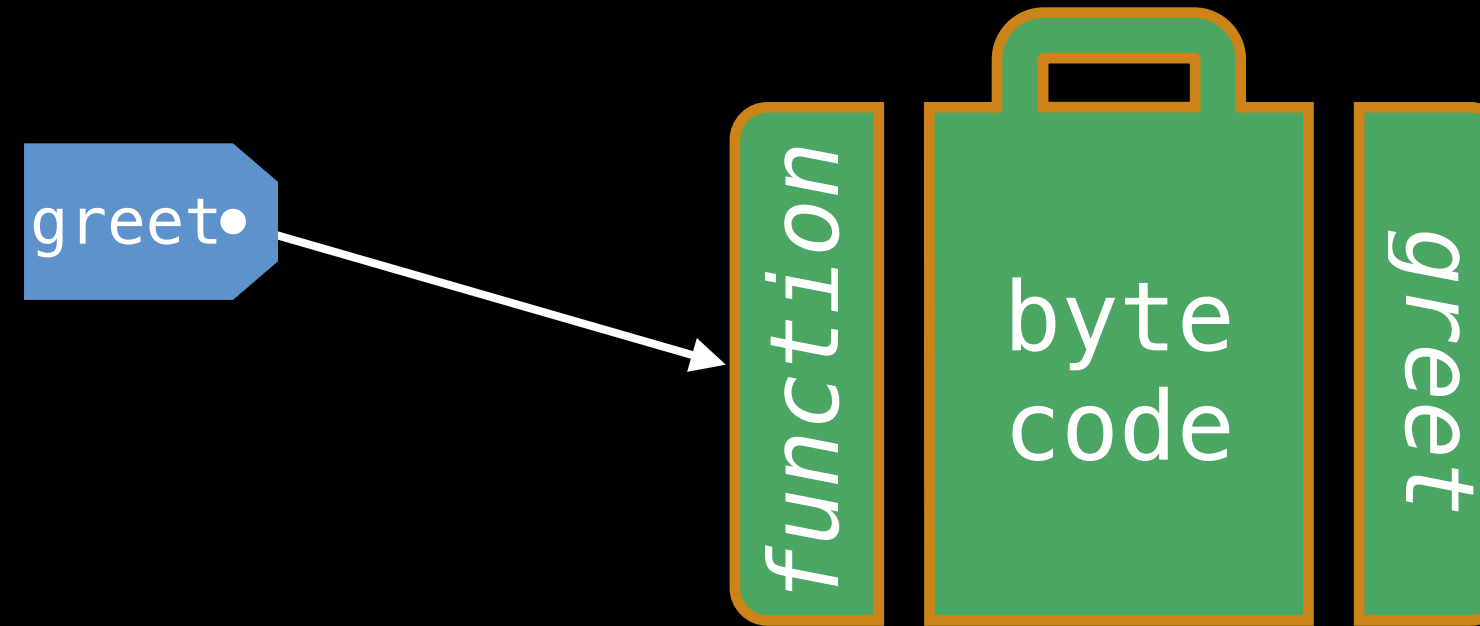


filter(is_even, fibs)

< 2 , 8 , 34 >

Defined Functions vs. Lambdas

```
def greet():  
    print("Hi!")
```

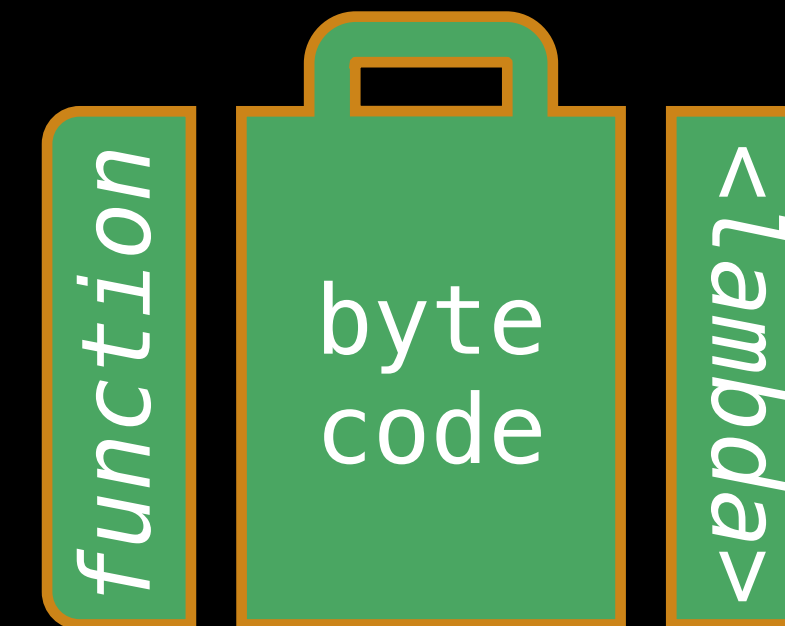


`def` binds a name to a function object

```
lambda val: val ** 2
```

```
lambda x, y: x * y
```

```
lambda pair: pair[0] * pair[1]
```



`lambda` only creates a function object

```
(lambda x: x > 3)(4) # => True
```

Creates a function object and immediately call it