

Map

```
def sqn(i)  
    return i**2
```

$l = [1, 2, 3]$

$\text{map}(\text{sqn}, l) \Rightarrow [1, 4, 9]$





```
l = ["apple", "mango", "banana"]
```

```
map(task, l)
```

```
def task(i)  
    return i + " cat"
```

apple → task → applecat

mango → task → mangocat

banana → task → bananacat



filter(if\_even, [1, 2, 3, 4, 5])

$\Rightarrow [2, 4] \checkmark$

1  $\rightarrow$  if\_even  $\rightarrow$  False

2  $\rightarrow$  "  $\rightarrow$  True

3  $\rightarrow$  "  $\rightarrow$  False

4  $\rightarrow$  "  $\rightarrow$  True

5  $\rightarrow$  "  $\rightarrow$  False

def if\_even(i):

if  $i \% 2 == 0$ :

return True

else

return False

$[2, 4] \checkmark$