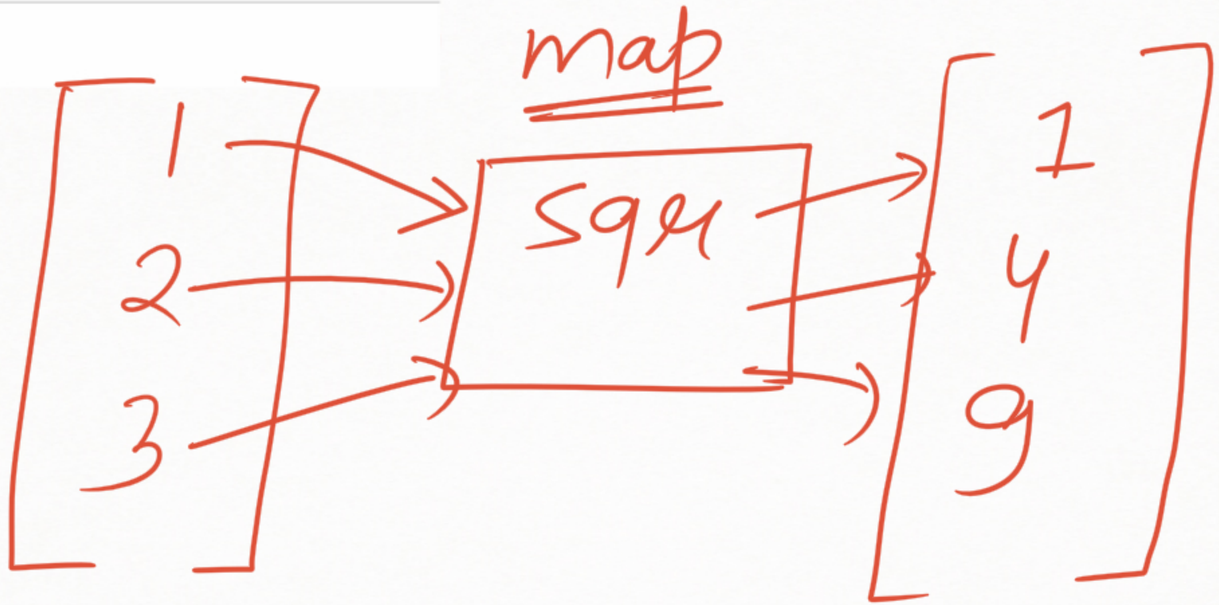
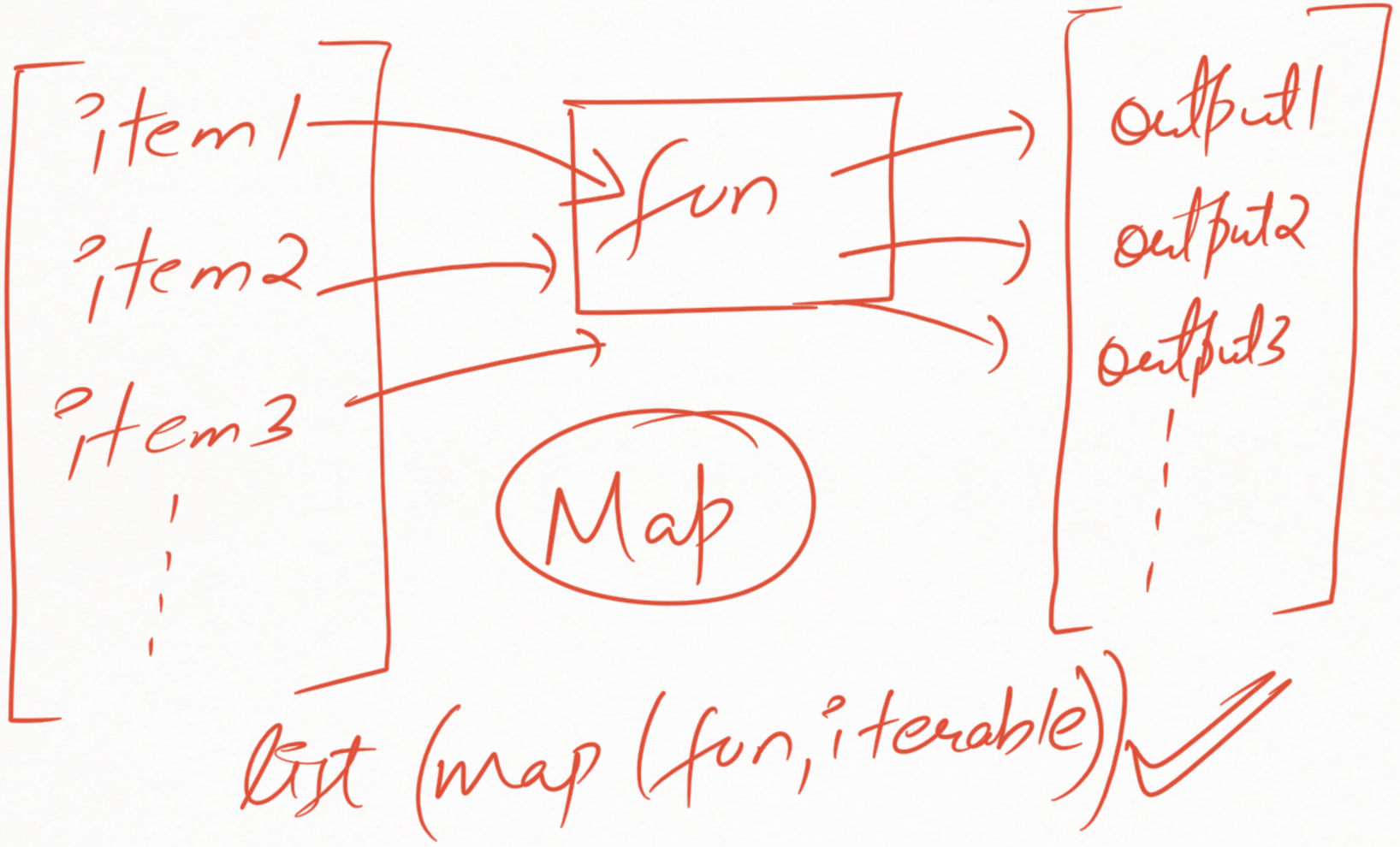
```
In [ ]: # Syntax of Map function

        list(map(fun_name,iterable))
```

```
In [ ]: def sqr(n):
            return n**2
```

```
In [14]: list(map(sqr,[1,2,3]))
```

```
Out[14]: [1, 4, 9]
```



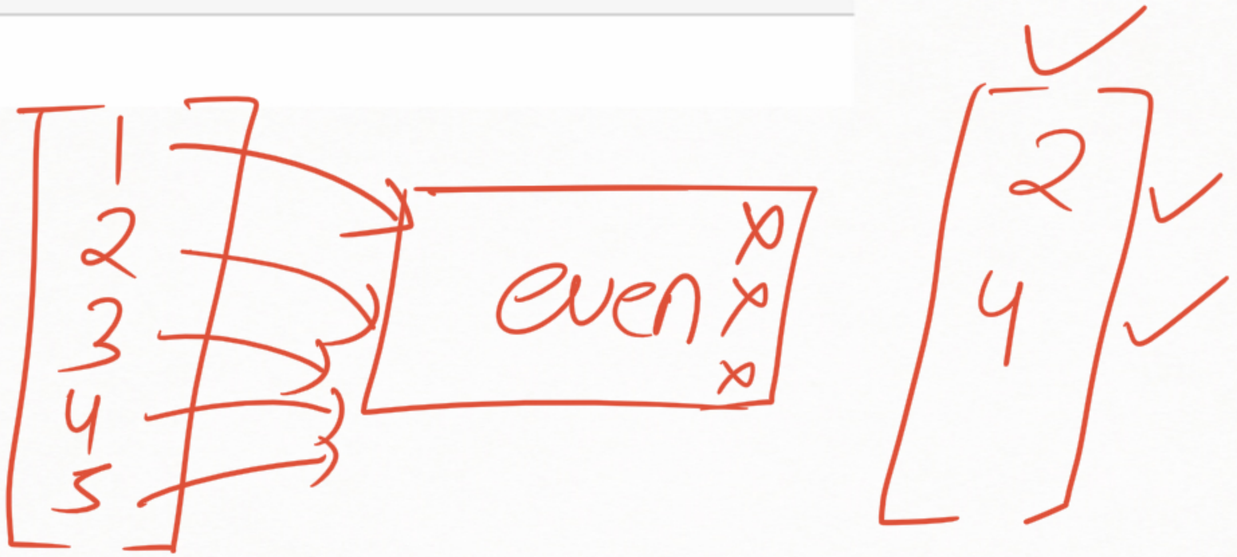


list (map (fun, iterable))

In [ ]:
```
filter(fun_name,iterable)

stores elements which returns True/True equivalents
```

In [51]:
```
def even(n):
    if n%2==0:
        return True
    return False

print(list(filter(even,[1,2,3,4,5])))
```

```
[2, 4]
```



In [ ]:
```
lambda expression: one line function
they can take multiple inputs, but return only 1 output.
```

In [ ]:
```
Syntax
lambda input1,input2,... : output
```

In [4]:
```
fun1 = lambda x:x%2==0
```

In [5]:
```
fun1(4)
```

Out[5]: True

In [6]:
```
fun1(3)
```

Out[6]: False