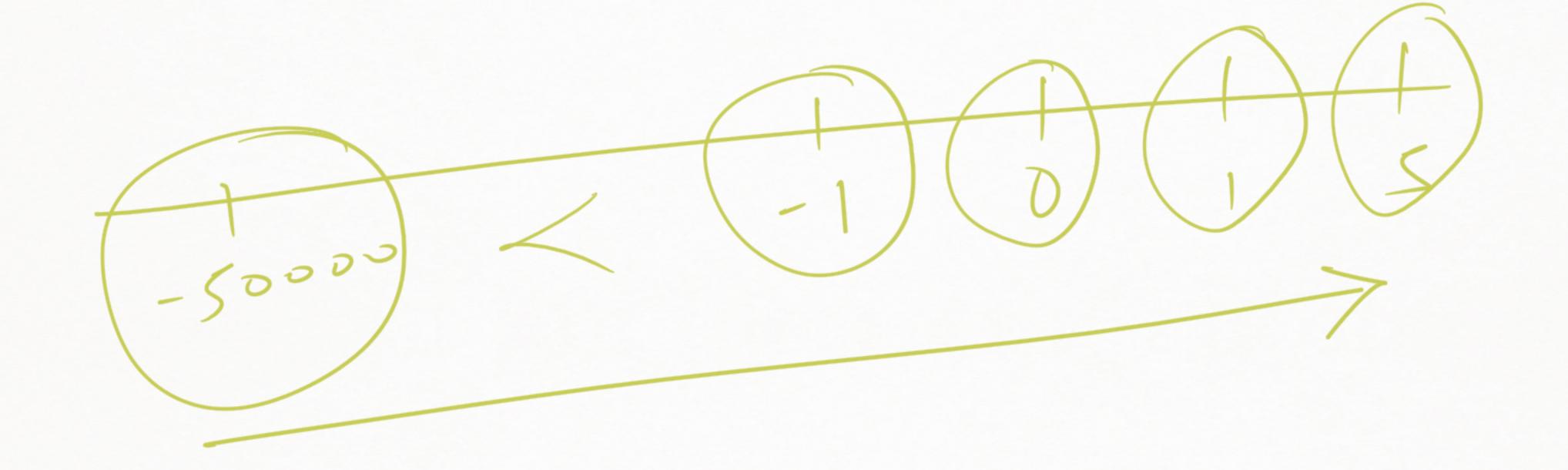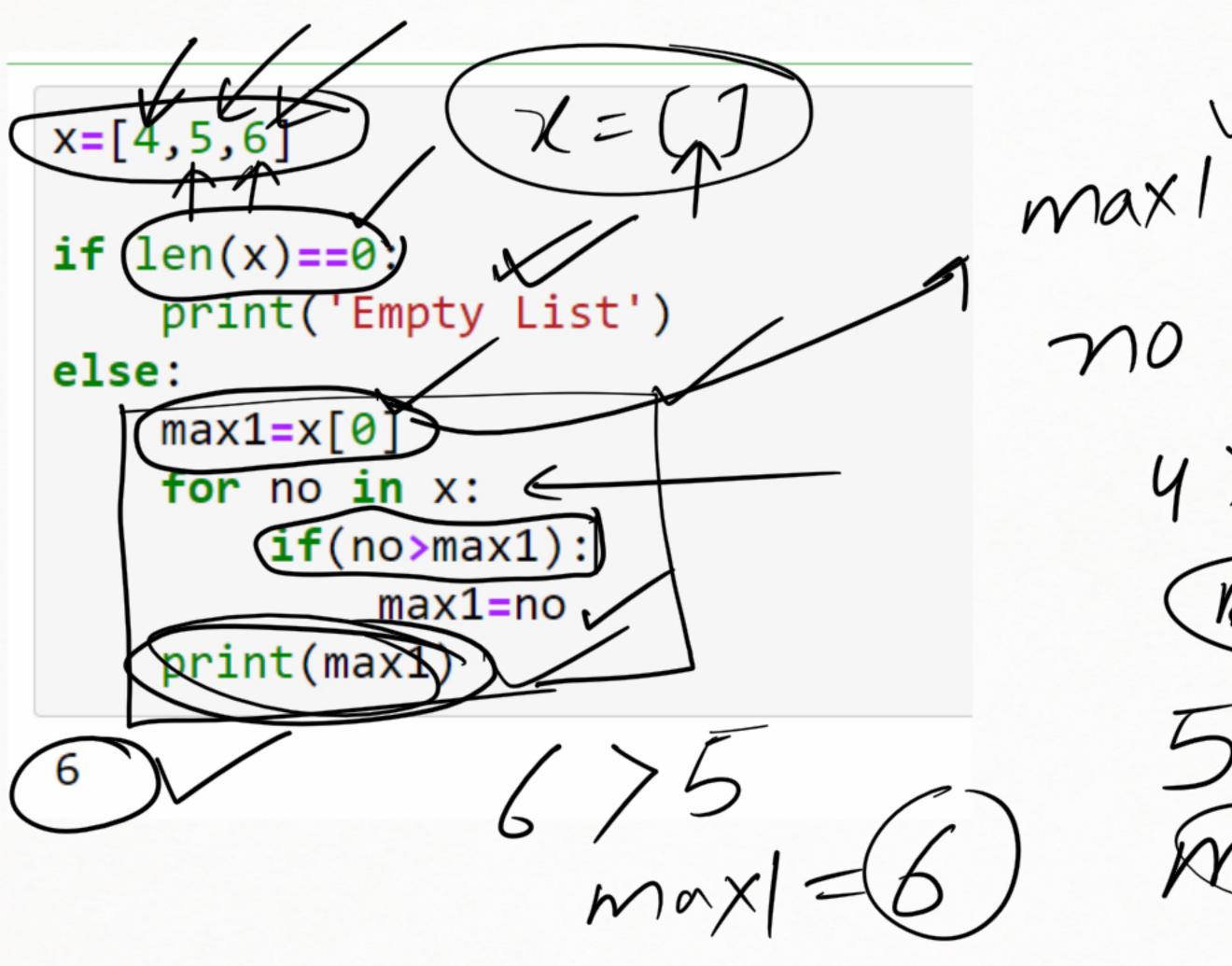```
range() builtin function

range(start,stop,step)

default start = 0
default step = 1

stop is never included

range returns an iterable.
```

```python
x = range(0,4,2)
```

```python
print(type(x))
print(x)
```

```
<class 'range'>
range(0, 4, 2)
```

```python
for i in range(1,4):
    print(i)
```

```
1
2
3
```

-50000 $<$ -1 0 1 5

```python
x=[4,5,6]

if len(x)==0:
    print('Empty List')
else:
    max1=x[0]
    for no in x:
        if(no>max1):
            max1=no
    print(max1)
```

$x = [\ ]$

6

$6 > 5$

$max1 = 6$

$max1 = 4$

$no = 4$

$4 > 4$

~~max=4~~

$5 > 4$

$max1 = 5$