

Using extend on List

```
In [1]: l = [1,2,3,4]

In [2]: l
Out[2]: [1, 2, 3, 4]

In [3]: id(l)
Out[3]: 2889688738048

In [4]: l.extend((3,4,5))

In [5]: l
Out[5]: [1, 2, 3, 4, 3, 4, 5]

In [6]: id(l)
Out[6]: 2889688738048
```

Without using extend on list (wrong way)

```
In [1]: l = [1,2,3,4]

In [2]: l
Out[2]: [1, 2, 3, 4]

In [3]: id(l)
Out[3]: 2402901065216

In [4]: l[-1] = (3,4,5)

In [5]: l
Out[5]: [1, 2, 3, (3, 4, 5)]

In [6]: id(l)
Out[6]: 2402901065216
```

Without using extend on list (right way)

```
In [1]:
....: l = [1,2,3,4]

In [2]: l
Out[2]: [1, 2, 3, 4]

In [3]: id(l)
Out[3]: 2015555602048

In [4]: l[-1:] = (3,4,5)

In [5]: l
Out[5]: [1, 2, 3, 3, 4, 5]

In [6]: id(l)
Out[6]: 2015555602048
```