

```
In [1]: lst=[x for x in 'word']
```

```
In [2]: lst
```

```
Out[2]: ['w', 'o', 'r', 'd']
```

```
In [4]: lst=[x**2 for x in range(1,11)]
```

```
In [5]: lst
```

```
Out[5]: [1, 4, 9, 16, 25, 36, 49, 64, 81, 100]
```

```
In [7]: lst=[x**2 for x in range(1,11) if x%2==0]
```

```
In [8]: lst
```

```
Out[8]: [4, 16, 36, 64, 100]
```

```
In [12]: celsius = [0,10,20.1,34.5]

          fahrenheit = [ ((float(9)/5)*temp + 32) for temp in celsius ]

          fahrenheit
```

```
Out[12]: [32.0, 50.0, 68.18, 94.1]
```

```
In [13]: lst = [ x**2 for x in [x**2 for x in range(11)]]
```