1 List comprehensions: one line loop

List comprehensions are a very Pythonic way of condensing loops and action into a single line. Here is the long form of a loop:

```
my_list=[1,4,5,7,9,10,3,2,16]
my_new_list=[]

for x in my_list:
    if x>5:
        my_new_list.append(x**2)

print (my_new_list)

OUT:
[49, 81, 100, 256]
This may be done by a single line list comprehension:
y = [x**2 for x in my_list if x>5]

print (y)

OUT:
[49, 81, 100, 256]
```