Basics of list comprehension:

[expression for item in iterable]

List comprehension is a concise way in Python to create lists, here is an example:

creating list with a for loop

```
my_list = []
for item in range(4):
    square = item**2
    my_list.append(square)
#Outputs: [0, 1, 4, 9]
```

with list comprehension

```
my_list = [item**2 for item in range(4)]
#Outputs: [0, 1, 4, 9]
```

with condition:

[expression for item in iterable if condition]

Adding condition "if item is not equal to zero"

for loop with condition

```
my_list = []
for i in range(4):
   if i != 0:
      square = i**2
      my_list.append(square)

#Outputs: [1, 4, 9]
```

list comprehension with condition

```
my_list = [i**2 for i in range(4) if i != 0]
#Outputs: [1, 4, 9]
```