

Python Bootcamp & Masterclass

list
comprehension



List comprehension is a compact way to process all or part of the elements in a sequence and return a list with the results. It's like a one-line for loop that creates a new list from a sequence

[**EXPRESSION **for** **ITEM** **in** **ITERABLE** **[if (CONDITION)]**]**

```
squares = []  
for x in range(5):  
    squares.append(x * x)  
squares
```

```
[0, 1, 4, 9, 16]
```

```
# step 1: for loop: [for x in range(5)]  
# step 2: expression [x * x for x in range(5)]  
squares = [x * x for x in range(5)]  
squares
```

```
[0, 1, 4, 9, 16]
```



Online Resources

For best python resources, please visit:



gknxt.com/python/

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