List comprehension is an elegant way to define and create list in python. We can create lists just like mathematical statements and in one line only. The syntax of list comprehension is easier to grasp.

A list comprehension generally consist of these parts :

Output expression,

input sequence,

a variable representing member of input sequence and

an optional predicate part.

For example :

lst = [x \*\* 2 for x in range (1, 11) if x % 2 == 1]

here, x \*\* 2 is output expression,

range (1, 11) is input sequence,

x is variable and

if x % 2 == 1 is predicate part.

