

filter	map
<ul style="list-style-type: none"> • expects its function to do a comparison type of task to filter out the elements • Function will be applied to only those objects of iterable who goes True on the condition specified in expression 	<ul style="list-style-type: none"> • evaluates the function expression and returns back the result as items. • expects its functions to evaluate a statement to get some result. • Map takes all objects in a list and allows you to apply a function to it Filter takes all objects in a list and runs that through a function to create a new list with all objects that return True in that function • Function will be applied to all objects of iterable
<pre>def is_even(num): return num % 2 == 0 nums = [2, 4, 6, 7, 8] filtered = filter(is_even, nums) print(*nums) print(*filtered) The output of this would be 2 4 6 7 8 2 4 6 8</pre>	<pre>def square(num): return num * num nums = [1, 2, 3, 4, 5] mapped = map(square, nums) print(*nums) print(*mapped) The output of this is 1 2 3 4 5 1 4 9 16 25</pre>