

1.1 Write a Python Program to implement your own myreduce() function which works exactly like Python's built-in function reduce()

1.2 Write a Python program to implement your own myfilter() function which works exactly like Python's built-in function filter()

2. Implement List comprehensions to produce the following lists.

Write List comprehensions to produce the following Lists

`['x', 'xx', 'xxx', 'xxxx', 'y', 'yy', 'yyy', 'yyyy', 'z', 'zz', 'zzz', 'zzzz']`

`['x', 'y', 'z', 'xx', 'yy', 'zz', 'xxx', 'yyy', 'zzz', 'xxxx', 'yyyy', 'zzzz']`

`[[2], [3], [4], [3], [4], [5], [4], [5], [6]]` `[[2, 3, 4, 5], [3, 4, 5, 6],`

`[4, 5, 6, 7], [5, 6, 7, 8]]`

`[(1, 1), (2, 1), (3, 1), (1, 2), (2, 2), (3, 2), (1, 3), (2, 3), (3, 3)]`