Milestone 1: common()

Fill in the function common(list1, list2) in common.py. The function should take in 2 lists, and return a new list that contains only the elements which are in both list1 and list2 .

Here are some examples:

* common(['a', 'b', 'c'], ['c', 'a', 'z'])should return ['a','c'] .
* common(['a', 'b', 'c'], ['x', 'y', 'z'])should return the empty list,[] , because the two lists have no overlapping elements.
* common(['a', 'a', 'b'], ['x', 'a', 'a'])should return ['a'] . Note that the two lists have multiple of the same shared element ('a'), but your code should return a result that includes only one of the elements that appeared multiple times.

The provided doctests will test the above cases. A main() function is also provided, which calls your function with some sample test cases and prints the results.