*This timed test is testing you on Module 5 material. Do not use material covered in Module 6. Only use what we have taught in this class. You do not need a specific filename or any specific comments.* ***Be sure your file does not have any errors before submitting or you will receive a 0.***

***Important****: the only built in functions you may use in this timed test are print, len, and range.**Using a built in function as a variable name will result in a 0 for the entire timed test. Using break will also result in a 0.*

*If you have any doubts if something is allowed or not, check the “Important” tab on the syllabus before you submit.*

**Question:**

Write a function **pantry\_checker**, that takes in two lists (products and quantity) as parameters. The list product has names of products in your pantry and quantity has the number of products. The two lists are interconnected using the same index value. Let’s have a look at the lists below:

products = [‘Milk’, ‘Tea bags’, ‘Chocolate’], quantity = [3, 5, 7]

Here, we can safely say that our pantry has 3 milk boxes, 5 tea bags, and 7 chocolates. Therefore, elements on the same index values are related to each other.

Now that you have understood the relation between the two lists, this is what you are supposed to do:

* Within pantry\_checker, iterate over the quantity of each product and if it is negative, then replace its value in products and quantity with ‘Item Removed’. For example, if your lists are: product = [‘Honey’, ‘Ice Cream’, ‘Corn’, ‘Eggs’] and quantity = [-1, 9, 4, -1]. Then after running pantry\_checker, your lists should become:

product = [‘Item Removed’, ‘Ice Cream’, ‘Corn’, ‘Item Removed’] and quantity = [‘Item Removed, 9, 4, ‘Item Removed’]

Note: Your function shouldn’t have a return or a print statement in it.

* Write a function main(), that doesn’t take any input and doesn’t have an output.
* Within main, create products and quantity lists. Print the lists and invoke pantry\_checker using those lists. Print lists after invocation as well.
* Invoke main.

**Rubric:**

Specific Function – 40

* Header: 4 pts
* Function contents: 32
  + - * If condition – 10 pts
      * Changing both lists 12 pts (6 for each)
      * Loop - 10 pts
* No return: 4 pts

Main: 10 pts

* Creating main – 1 pt
* Invoking main – 2 pts
* Creating lists – 2 pts
* Invoking pantry\_checker – 3 pts
* Printing before and after – 2 pts