**Question:**

Suppose you have the following two lists:

Expenses: 45, 60, 20, 88, 55, 99, 85, 75

Items: “Rice”, “Bread”, “Eggs”, “Milk”, “Chips”, “Yogurt”, “Pasta”, “Apple”

These lists are a summary of your expenditure this month. For example, you spent 45 dollars on rice and 60 dollars on bread.

Your job is to do the following:

1. Create a function find\_expense, which takes both lists as parameters and return a list with the names of items on which you spent more than 45 dollars.

For example, in the lists above, your returned list would be the following:

greater\_45: “Bread”, “Milk”, “Chips”, “Yogurt”, “Pasta”, “Apple”

You can do this by traversing the list element by element using a loop and using the loop variable as an index value. Following are some examples:

If loop variable=1, then Expenses[loop variable] would return 60 and Items[loop variable] would return Bread. Therefore, if expenses stored at a particular index value are greater than 45 then you can use the same index value to extract the name of the item. In short, your goal is to find the right index values.

1. Once you have the list of items with greater than 45 expenditures, your job is to return the list as well
2. Now, use the returned list (greater\_45) and create another function named write\_to\_file which takes that list as a parameter and simply writes it to a file element by element.

**Provide the code for write\_to\_file just leave the .write part**

**Rubric:**

1 loop for first function—5 pts

1 loop for second function and using the write function properly – 5 pts

If-else/if elif statement to check greater than 80—10 pts

Creation of new list, adding names to it—15 pts

Function header for find\_names, return statement and invocation --- 15 pts