**Phase III overview:**

In phase III of the project you will add, modify and delete data in the parallel arrays. You will also then write the data back to the data files (over writing them)

You are NOT to change the read method, the main menu method, or the report method. Leave that code as is and add to the methods as defined in the assignment.

**You will NOT add any more calls to the menu method. The project is setup up to automatically go back to the main method once the each of the modify methods have completed**

You have 3 counts, each one keeping track of how many valid entries are in each set of the three parallel arrays.

* **Add to the arrays** – increment the proper count of the arrays you are adding to and read data into the location of the count. For example if the count had a value of 9 after reading the data into the arrays from the data file, you would add 1 to the count and read the data into the location 10 of the arrays
* **Modify the data in the array**s – For example, if you are changing data for a patient, Prompt the user for the patient number, search for the position of the data in the arrays and then ask the user what item to change. You will then read the new data into the correct array at that position.
* **Deleting data in the arrays**- This is really shifting the data in the arrays. For example, if you are deleting a patient, prompt the user for the patient number, search for the position of the data in the arrays. Then from that position to the end of the data in the arrays, you will shift the data. Be sure to shift ALL the associated data for the patient. You will then decrement the count by 1
* **Writing the data** – you will take the current data in each set of arrays and over write the original contents of the data files. You will need three sets of this code in the exit\_upmc method.

Provided with this phase of the project are examples of how to do all of the functionality as listed here.

Please study all of this information and run the sample code.

Let me know what questions you may have. Remember, I do not know if you need help unless you let me know!!