**CS311 Hashing Extra Credit Assignment [10 points]**

**Must email the code and test results to Rika prior to Week 15.**

**Presentation on Week 15 Tuesday.**

Use the slist class and update it.

Create a Hash Table class using slists.

**Data Member**: an array containing slists with **a key and a name** **in each node.** Table size is 37.

The key is an integer (a 3 digit account number). The name is a string.

**Functions:**

Int Add(int key, string name) add the name of the person to the table, given the key and return the slot number. Add will have to call your private hash function to convert the key into a slot number.

This hash function will be given a 3 digit account number and then mod by the table size.

String Find(int key) finds the name of the person given the key.

Void DisplayTable() displays the table in a readable format.

**Client:**

Loop: Interactively add about 20 names to the table, making sure some of them collide.

DisplayTable.

Loop: Interactively look up names in collided entries.

**Submit:**

Zip Folder containing the header, implementation, client **AND TEST RESULTS**!!!!!

Must have been commented as required for this class.