There are two added classes in this homework assignment.

1. MyHashTable is a helper class that implement all kinds of use of a hash table including Hash: Use the following hash function: Math.abs(Character.valueOf(c) % tableSize) Insert: insert the character into the hash table while expand the hash table depends on if reach its max-capacity.

ExpandTable: Expand the current hash table while copy and paste all the inserted kets into the expanded table.

InsertHelper: Helper method for Insert. (find the next available position if there is another same key that is already exist.

Delete: delete the corresponding char in the hash table.

Find: find the corresponding char in the hash table.

getTableSize: return the current table size

## 2. HW4Solution:

It has only one method and evolved almost every single method that exist in MyHashTable class. This method is called checkAnagrams. It Hash each character in string X into a hash table with its appropriate frequency, then Iterate over each character in string Y. After iterating, return true if the hash table is empty and false otherwise.

Test cases: