## HashEntry

-userID: string
-password: string
-next: HashEntry*

+HashEntry(string)
+getpassword(): string
+getUserId(): string
+setpassword(string)
+setRandomPassword()
+getNext(): HashEntry*
+setNext(HashEntry*)

## main

+readWritePasswords(string)
+encrypt(string,string): string
+encryptPasswords(string)
+createTable(string,HashTable*)
+testEncryption(string,HashTableEntry*,int)
+changeFirstLetter(string): string

## HashTable

-NUM_OF_BUCKETS: int = 90000
-buckets: HashEntry*[]

+HashTable()
+find(string): HashEntry
+hashFunction(string): int
+insertEntry(string,string)
+getBucket(int): HashEntry*