```c
1  /*  hash.h
2  */
3
4  #ifndef HASH_H
5  #define HASH_H
6
7  const int HASH_TABLE_SIZE = 49957; // 101, 8017 , 10993 , 49957
8
9  typedef struct nList     /*  table entry:  */
10 {
11     string name;            /*  defined name          */
12     struct nList *next;  /*  next entry in chain  */
13 }nList;
14
15 typedef struct nList *NListPtr;
16
17 unsigned Hash(string name);
18 NListPtr Lookup(string name);
19 NListPtr LookupPrintCount(string s);
20 NListPtr Insert(string name);
21
22 void PrintHashTable();
23
24 void PrintHashTableBuckets();
25
26 void PrintHashTableBucketsMinMax();
27
28 #endif  /*  HASH_H  */
```