Example Hashing Typedefs and Data

// **TableEntry** is an entry in the Hash Table. It contains the hash key (szCustomerId),

// customer name, and a subscript to a synonym.

typedef char CustName [22];

typedef struct HashEntry

{

char szCustomerId[6];

Custname szName; // customer name

int iNextChain; // subscript to a synonym in the overflow area or -1

} **TableEntry**;

typedef struct

{

int iOverflowBegin; // The subscript of the first overflow entry

// in the array of hash entries.

// Any subscript less than this value is in

// the primary area.

int iFreeHead; // Subscript of a free list of entries

**TableEntry** hashM[MAX\_HASH\_ENTRY];

} HashTable;

