

Main Function Pseudocode

The main program demonstrates features of the Hashtable class.

INCLUDE Hashtable and Bucket headers

int **main**()

 INIT Hashtable of Buckets

 CALL **hashtable.GenStatReport**() to PRINT current Hashtable contents

 CALL **hashtable.hashRecords**([filename]) to READ file and HASH records

 CALL **hashtable.writeToDisk**() to WRITE table to disk

 CALL **hashtable.ReportHT**([Before Report File Name]) to create BEFORE restoration report file

 CALL **hashtable.restoreHTtoMem**() to restore table from memory

 CALL **hashtable.ReportHT**([After Report File Name]) to create AFTER restoration report file

 CALL **hashtable.SearchHT**([Search File Name]) to read keys from file and produce search report

 CALL **hashtable.collisionReport**() to display collisions/bucket and average and produce report file

 RETURN 0

END main Function