

FILE ORGANIZATION

3rd Homework Assignment

Due on: Monday, January 3, 2005

- ❖ You will write a program that can perform insertions, deletions and searching using hashing with bucket size of 5. The application is the same as given in the first and the second homework: Simple Library Catalog System. This time you only need to organize the file with respect to isbn number.
 - Use progressive overflow for handling collisions.
 - N is 1000.
 - Have the program keep running statistics on average search length.
 - Implement a mechanism to indicate when search length has deteriorated to a point where the file should be reorganized.
 - Start with the code that we studied in the class.
 - You **must** use C programming language.