CE205 Data Structures

Week-14

Direct File Organization Indexes Binary and B Tree Structures for File

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- Indexed Sequential File Organization
- Bits of Information
- Secondary Key Retrieval
 - Multilist File Organization
 - Inverted Files
 - Partial Match Retrieval with Signature Trees
 - Partial Match Retrieval with Page Signatures



- Bits and Hashing
 - Signature Hashing
 - Bloom Filters
 - Classification Hashing
 - Check Hashing



- Binary Tree Structures
 - Binary Search Trees
 - o AVL Trees
 - Internal Path Reduction Trees



- B-Trees and Derivatives
 - B-Trees
 - B#-Trees
 - B+ -Trees



Indexed Sequential File Organization

- Bits of Information
- Secondary Key Retrieval
 - Multilist File Organization
 - Inverted Files
 - Partial Match Retrieval with Signature Trees
 - Partial Match Retrieval with Page Signatures
- https://www.amirajcollege.in/wp-content/uploads/2020/06/3130702-chapter-4-hashing-and-file-structure.pdf



Bits and Hashing

- Signature Hashing
 - Unique File Hashing
- Bloom Filters
 - https://www.geeksforgeeks.org/bloom-filters-introduction-and-pythonimplementation/
- Classification Hashing
 - https://en.wikipedia.org/wiki/Feature_hashing
- Check Hashing



Binary Tree Structures

- Binary Search Trees
- AVL Trees
- Internal Path Reduction Trees



B-Trees and Derivatives

- B-Trees
 - https://www.geeksforgeeks.org/introduction-of-b-tree-2/
 - https://web.itu.edu.tr/~bkurt/Courses/blg341/lecture11.pdf
- B#-Trees
 - 0
- B+ -Trees
 - https://www.geeksforgeeks.org/introduction-of-b-tree/?ref=gcse



$$End-Of-Week-14$$

