

# CE205 Data Structures Week-15

Hashing Techniques for Expandable Files, Tries, Approximate String Matching, Trie Hashing, Secondary Key Retrieval (2), File Sorting

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### 1 CE205 Data Structures

### 2 Week-15

#### 2.0.1 Hashing Techniques for Expandable Files, Tries, Approximate String Matching, Trie Hashing, Secondary Key Retrieval

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#### 2.0.2 Outline

- Hashing Techniques for Expandable Files
  - Extendible Hashing
  - Dynamic Hashing
  - Linear Hashing
- Other Tree Structures
  - Tries
  - Approximate String Matching
  - Trie Hashing
  - PATRICIA Trees
  - Digital Search Trees
- Secondary Key Retrieval (2)
  - K-d trees
  - Grid Files
- File Sorting

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<sup>1</sup>pandoc\_ce205-week-15-hashing-trie.tr\_doc.pdf

<sup>2</sup>pandoc\_ce205-week-15-hashing-trie.tr\_word.docx

<sup>3</sup>ce205-week-15-hashing-trie.tr\_slide.pdf

<sup>4</sup>ce205-week-15-hashing-trie.tr\_slide.pptx

- Insertion Sort
- Quicksort
- Heapsort
- External Sorting
- Sorting by Merging
- Disk Sort

*End - Of - Week - 15*