

# 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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## Contents

<b>1</b>	<b>CE205 Data Structures</b>	<b>1</b>
<b>2</b>	<b>Week-15</b>	<b>1</b>
2.0.1	Hashing Techniques for Expandable Files, Tries, Approximate String Matching, Trie Hashing, Secondary Key Retrieval (2), File Sorting	1
2.0.2	Outline	1
2.0.3	Outline	1
2.0.4	Outline	2
2.0.5	Outline	2

## List of Figures

## List of Tables

### 1 CE205 Data Structures

### 2 Week-15

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

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#### 2.0.2 Outline

- Hashing Techniques for Expandable Files
  - Extendible Hashing
  - Dynamic Hashing
  - Linear Hashing

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#### 2.0.3 Outline

- Other Tree Structures
  - Tries

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<sup>1</sup>ce205-week-15-hashing-trie.md\_doc.pdf

<sup>2</sup>ce205-week-15-hashing-trie.md\_slide.pdf

<sup>3</sup>ce205-week-15-hashing-trie.md\_slide.pptx

- Approximate String Matching
  - Trie Hashing
  - PATRICIA Trees
  - Digital Search Trees
- 

#### **2.0.4 Outline**

- Secondary Key Retrieval (2)
    - K-d trees
    - Grid Files
- 

#### **2.0.5 Outline**

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

*End – Of – Week – 15*