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Syllabus of Data Structures

Unit 1: Data Structures and Algorithms

- **Data Structures**
 - Introduction to linear and non-linear data structures
- **Algorithm Analysis**
 - Growth rates
 - Estimating growth rates
 - Big O notation

Unit 2: Arrays

- **Need for Arrays**
- **Linear Arrays**
 - Representation of linear arrays:
 - Row measure order
 - Column measure order
- **Operations on Arrays**
 - Traversing
 - Insertion
 - Modification
 - Deletion