DB101 2025-10-01

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Lecture Notes

2025-10-01

Database Fundamentals

- 1. Tables store data in rows & columns
- 2. SQL uses SELECT * FROM users
- 3. Indexes improve query performance

Key points:

- Use primary keys for uniqueness
- Foreign keys maintain relationships
- Normalization reduces redundancy

Cost is O(log n) for tree operations.

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