Mindluster Platform

About the course Database index fundamentals

Database index fundamentals, in this course provides a deep dive into the principles and practices of database indexing, essential for optimizing query performance and database efficiency. Learn about primary, unique, clustered, and non-clustered indexes, as well as advanced concepts like composite and full-text indexes. Understand how indexes speed up data retrieval, enhance query performance, and reduce system load. Discover best practices for creating and managing indexes to balance speed and storage. Explore practical scenarios to learn how indexing affects operations like searching, updating, and sorting data. Through real-world examples, gain the skills to design and implement effective indexing strategies, ensuring efficient and high-performing database systems. Ideal for database administrators, developers, and IT professionals.

Computer Science Category's Courses

Course Lesson(14)

Lesson 1 : **Database Normalisation Introduction**

Lesson 2 : **Database Normalisation First Normal Form**

Lesson 3 : **Database Normalisation Second Normal Form**

Lesson 4 : **Database Normalisation Third Normal Form**

Lesson 5 : **The SQL SELECT Statement**

Lesson 6 : **The SQL INSERT Statement**

Lesson 7 : **The SQL UPDATE Statement**

Lesson 8 : **The SQL DELETE Statement**

Lesson 9 : **SQL Inner Joins and Outer Joins**

Lesson 10 : **The SQL Create Table Statement**

Lesson 11 : **The SQL Alter Table Statement**

Lesson 12 : **Database Index Fundamentals**

Lesson 13 : **The SQL Create Index Statement**

Lesson 14 : **Database Transactions ACID**

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort

GCSE Computer Science

Random Access Memory



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