COURSE SYLLABUS

Relational Database Fundamentals

Designed for students who not only need to learn the basics of the SQL language but to also understand how true databases function and understand the benefits of using these specialized tools. It is also recommended for students who need to learn MS Excel Power Pivot, which is also based on relational concepts. It also provides the fundamental knowledge and techniques needed to advance to more complex data analysis scenarios.

Group classes (NYC) and onsite training are available for this course. For more information, email corporate@nobledesktop.com or visit: https://www.careercenters.com/courses/relational-database-fundamentals



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Course Outline

Lesson 1: Relational Databases Comparison

Topic A: Flat File Database

Topic B: Relational Database

Lesson 2: Planning a Layout

Topic A: Data Normalization

Topic B: Building Tables

Topic C: Creating Fields

Lesson 3: Identifying Relationships

Topic A: Keys and Indexes

Topic B: Referential Integrity

Lesson 4: Retrieving Data

Topic A: Basic Queries

Topic B: Introduction to SQL