

Welcome

Databases for Data Scientists

Course # 2: SQL – The Structured Query Language

Instructor:

Alan Paradise

Instructor Background

- 37 years as an IT professional in Industry
- 38 years as an adjunct instructor at several universities
- Full-time Assistant Teaching Professor at CU Boulder since August 2017

Database experience (since 1984)

- Application Developer using embedded SQL
- DBA Group Manager at Anheuser-Busch in St. Louis, MO
- DBA Manager at Mercy Health in St. Louis, MO
- Director of Database Administration at Wiland in Niwot, CO

DBMS: Oracle, Microsoft SQL Server, MySQL (MariaDB), IBM DB2

Instructor Background (continued)

Academic credentials

- BS in Systems and Data Processing, Washington University in St. Louis, 1985
- MS in Information Management, Washington University in St. Louis, 2007

Personal

Family, Hobbies

Course Overview

Course # 2 – SQL – The Structured Query Language

Six Modules:

1. Introduction to SQL – History & Origins
2. The Basic SELECT Statement
3. Group Functions, SubTotals, and Subqueries
4. Getting Data from Multiple Tables – The "Join"
5. DDL and DML
6. Advanced SQL commands

Food for Thought

What is the value of Technology?

Where does Technology fit in?

What makes YOU valuable to an employer?

Food for Thought

“He who has a *why* to live for can bear almost any *how*.”

- Friedrich Nietzsche

Simon Sinek:

“You don’t hire for skills, you hire for attitude. You can always teach skills.”

“Great companies don’t hire skilled people and motivate them, they hire already motivated people and inspire them.”

“People don't buy what you do; they buy why you do it. And what you do simply proves what you believe.”

Check out: https://www.youtube.com/watch?v=u4ZoJKF_VuA

Understand Your "Why"

Why am I here?

- Make a difference in your life
- Help you along your path
- Teach you some useful skills

Why are you here?