

Intermediate SQL

Course Overview

SQL is a powerful and popular database program that is widely used for data analysis and manipulation. The Career Center provides hands-on Instructor-led training in small class sizes to provide an ideal training experience. When you arrive at The Career Center you are given a Course Manual, that is yours to keep, and then shown to your seat with a computer that is fully equipped with SQL. The instructor computer is attached to an overhead projector so you can easily follow their instructions. The class is taught in a very hands-on way, with the instructor teaching a concept and then the class doing exercises to enforce it. The maximum class size is 10 so you don't have to worry about getting lost in the crowd!

I. Saving Queries Programmatically

- 1) Benefits versus Shortcomings
- 2) Views
- 3) Functions
- 4) Stored Procedures
- 5) Layered Views
- 6) Protect Views with Schema binding
- 7) Create Top Value Views

II. Sub Queries

- 8) What is a Sub Query?
- 9) Clarity and Transparency
- 10) Single Table Sub Query
- 11) Multiple Table Sub Query
- 12) Exists versus In Operators
- 13) Any versus All Operator

III. Math, Advanced Functions and Logic Statements

- 14) Basic Math
- 15) Advanced Date and Time Functions
- 16) Advanced Text Functions
- 17) Case When Then Logic Statements
- 18) Variables and User Functions

IV. Data Conversion Functions

- 19) String Functions
- 20) Cast Function
- 21) Convert Function
- 22) Rounding Functions

V. Student Labs

- 23) Creating Views
- 24) Sub Queries
- 25) Advanced Functions
- 26) Logic and Date Functions
- 27) Conversion Functions