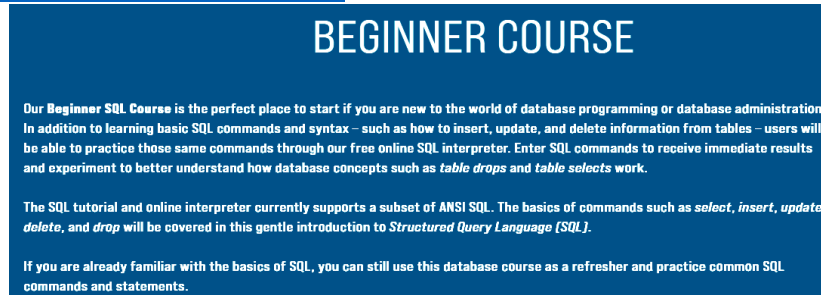


Databases and Data Warehouses share similar architecture, and many query languages are built on SQL or extend SQL, so in this course we will look at some SQL basics to provide students with some (limited) experience working with SQL queries.

To facilitate this introduction, we will use a free online SQL course at <https://www.sqlcourse.com/beginner-course/>



There are several nested “courses” inside the beginner course.

The first two “courses”: What is SQL? And Table Basics are mostly descriptions of broad information about relational databases and SQL itself that we will mostly cover in class. The remaining sections allow

- Advanced SQL Tutorial Introduction
- SELECT Statement
- Aggregate Functions
- GROUP BY clause
- HAVING clause
- ORDER BY clause
- Combining Conditions & Boolean Operators
- IN & BETWEEN
- Mathematical Functions
- Table Joins, a must

you to use SQL commands to complete various tasks on a database.

For this assignment, you will need to complete the sections on **Selecting Data, Creating Tables, and Inserting into a Table**. After completing those, go to the advanced course here:

## COURSES

- What is SQL?
- Table Basics
- Selecting Data
- Creating Tables
- Inserting into a Table
- Updating Records
- Deleting Records
- Drop a Table

<https://www.sqlcourse.com/advanced-course/> and complete any **three sections** (not including the Advanced SQL Tutorial Introduction—you should read it, but it doesn’t have any interactive lessons). Choose from: *SELECT Statement, Aggregate Functions, GROUP BY clause, HAVING class, ORDER BY clause, Combining*

*conditions and Boolean operators, IN & BETWEEN, Mathematical Functions, and Table Joins.*

What to submit: document your progress through the sections. Document your queries and their results (they should work before you move on for full credit).

Collect all your screenshots or copied text into a single document to submit. You should indicate which section is being represented. This assignment is due about two weeks before the course ends, but you are free to work on it throughout the course so you don’t have to do it all at once at the end. This assignment is worth 40 points.