SQL SERVER AND DATABASES

CODERGIRL

WEEK 1

AGENDA

1	2	3	4	5	6
Introductions	Class goals	Rules	Databases	Letter to yourself	Assignments

INTRODUCTIONS

Name

Current job

Database experience

Goals for class

CLASS GOALS

- Learning a skill, not getting a grade, not checking a box

- T-SQL
  - Transact structured query language
  - SQL language for SQL Server, Microsoft's relational database system

- SSRS
  - SQL Server Reporting Services

- Treat class assignments like work assignments

GOALS

- Do assignments ahead of class
  - Videos
  - Reading
  - Canvas quiz
- Class
  - In-class assignments
  - Time for questions
  - You WILL be called on
  - Occasional guest speakers

RULES

Keep up	Complete and turn in assignments Attend class Let us know when you can't attend. Email kathik@kellenbergerconsultingllc.com
Ask for Help	Ask questions • Slack channel • Help each other! • Email mentors
Use Resources	Hacker Rank, Khan Academy EdX T-SQL Class SQL Server Central, PASS.org Books Auntkathisql.com
Class	Prepare to be called on In class assignments Ask questions

DATABASES

Database

A database is an organized collection of data. It is the collection of schemas, tables, queries, reports, views and other objects. The data are typically organized to model aspects of reality in a way that supports processes requiring information, such as modelling the availability of rooms in hotels in a way that supports finding a hotel with vacancies.

Database - Wikipedia
https://en.wikipedia.org/wiki/Database

DATABASES

1	2	3	4	5	6
MS Access	Oracle	SQL Server	MySQL	PostgreSQL	Excel???

TABLES

UsedCars					
ID	Make	Model	Type	Year	Color
1	Chevrolet	Malibu	Passenger car	2015	Blue
2	Hyundai	Sonata	Passenger car	2011	Silver
3	Chrysler	Pacifica	Minivan	2017	White
4	Toyota	Prius	Hybrid car	2013	White
5	Hyundai	Elantra	Passenger car	2015	Blue
6	Chevrolet	Silverado	Truck	2013	Red

SELECT *
FROM UsedCars
WHERE Make = 'Hyundai';

DATABASE EXERCISE

ASSIGNMENTS

- From Zero to SQL in 20 Lessons by Carlos Chacon

- SSRS Simple Talk articles

- You'll create reports, just like a real job!!!

WEEK 1 ASSIGNMENT

- Copy CoderGirl Media in class
  - Copy to your C:\ drive
  - DO NOT copy to your desktop
- SQL Server Installation with CoderGirl Media (See documents in folder)
- Zero to SQL Chapters 1 and 2
- Join Slack
- Upload photo to Canvas
- Canvas SQL Quiz 1

GRADUATION REQUIREMENTS

- Attend class – notify teacher via email when you can't attend

- Complete assignments and exams

- Final project
  - Database diagram
  - Tables

Hopes and dreams → Accomplishments → How you see yourself in a year

WRITE A LETTER TO YOURSELF