

Databases and SOL for Data Science with Python

**Course Material** 

Module 1

Module 2

Module 3

Module 4

Module 5

Module 6

This course is part of the Bachelor of Applied Arts and Sciences from University of North Texas. If you apply and are accepted, your courses count towards your degree learning.

Introduction to Relational Databases and Tables

In this module, you will explore the fundamental concepts behind databases, tables, and the relationships between them. You will then create an instance of a database, discover SQL statements that allow you to create and manipulate tables, and then practice them on your own live database.

∨ Show Learning Objectives

Introduction to Relational Databases and Tables

Complete

Complete

Relational Database Concepts

Video • 5 min

Types of SQL statements (DDL vs. DML) Video • 2 min

CREATE TABLE Statement

Video • 4 min

ALTER, DROP, and Truncate tables

Examples to ALTER and TRUNCATE tables using MySQL

Ungraded Plugin • 15 min

Examples to CREATE and DROP tables

Ungraded Plugin • 15 min

Hands-on Lab: CREATE, ALTER, TRUNCATE, DROP

Ungraded App Item • 1h

Hands-on Lab: Create and Load Tables using SQL Scripts

Ungraded App Item • 1h

Practice Quiz

Practice Quiz • 5 questions

Optional: Hands-on labs with Db2

Complete

Optional Db2 Labs

Reading • 10 min

How to create a Database instance on Cloud

Video • 5 min

Obtain IBM Cloud Feature Code and Activate Trial Account

Ungraded App Item • 1h

(Optional) Hands-on Lab: Create Db2 service instance and Get

started with the Db2 console

Ungraded Plugin • 15 min

(Optional)Hands-on Lab: Create and Load Tables using SQL Scripts

Ungraded Plugin • 30 min

(Optional) Hands-on Lab: CREATE, ALTER, TRUNCATE, DROP

Ungraded Plugin • 15 min

SQL Cheat Sheet: CREATE TABLE, ALTER, DROP, TRUNCATE

Ungraded Plugin • 15 min

Summary and module Assessment

Complete

Summary & Highlights

Reading • 5 min

Graded Quiz: Relational DB Concepts and Tables

**Graded** Quiz • 3 questions • Grade: 100%

My Weekly Goal

Jun 26 - Jul 2 | Learn 5 days a week

















