Database Fundamentals

1. Understanding Core Database Concepts

   Understand how data is stored in tables

   Understand relational database concepts

   Understand data manipulation language (DML)

   Understand data definition language (DDL)

   Understand how SQL can be used to create database objects, such as tables and views

   Estimated Time Duration for this Topic

2. Creating Database Objects

   Choose data types

   Understand tables and how to create them

   How to create views (just an overview)?

   How to create stored procedures and functions (just an overview)?

   Estimated Time Duration for this Topic

3. Manipulating Data

   Select data

   Insert data

   Update data

   Delete data

   Estimated Time Duration for this Topic

4. Understanding Data Storage

   Understand normalization

   Understand primary, foreign, and composite keys

   Understand indexes

   Estimated Time Duration for this Topic

5. Administering a Database

   Understand database security concepts

   Understand database backups and restore