

# 10985 Introduction to SQL Databases

## Course Overview

This three-day instructor-led course is aimed at people looking to move into a database professional role or whose job role is expanding to encompass database elements. The course describes fundamental database concepts including database types, database languages, and database designs.

## Who Should Attend

The primary audience for this course is people who are moving into a database role, or whose role has expanded to include database technologies.

## Course Objectives

After completing this course, students will be able to:

- Describe key database concepts in the context of SQL Server 2016
- Describe database languages used in SQL Server 2016
- Describe data modelling techniques
- Describe normalization and denormalization techniques
- Describe relationship types and effects in database design
- Describe the effects of database design on performance
- Describe commonly used database objects

## Course Outline

### 1 Introduction to databases

Introduction to relational databases  
Other types of database  
Data analysis  
Database languages

### 2 Data Modelling

Data modelling  
ANSI/SPARC database model  
Entity relationship modelling

### 3 Normalization

Why normalize data?  
Normalization terms  
Levels of normalization  
Denormalization

### 4 Relationships

Schema mapping  
Referential integrity

This is a 3-day class

## Upcoming Dates

Date	Time	Where
11/04/2020	9:00AM - 5:00PM	Online LIVE
12/07/2020	9:00AM - 5:00PM	Online LIVE
01/25/2021	9:00AM - 5:00PM	Online LIVE
03/15/2021	9:00AM - 5:00PM	Online LIVE
05/10/2021	9:00AM - 5:00PM	Online LIVE
06/28/2021	9:00AM - 5:00PM	Online LIVE

[View All Course Dates & Register Today](#)



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## 5 Performance

- Indexing
- Query performance
- Concurrency

## 6 Database Objects

- Tables
- Views
- Stored procedures
- Other database objects