Introduction to Postgres SQL

2 day training course







Course contents

This course will cover the following topics. Those marked with (*) will be covered if time allows.

Getting started with Postgres

- Installing Postgres
- Postgres Admin

About relational databases

- Designing databases
- Primary keys
- Field types in Postgres

Working with tables

- Creating tables
- Allowing nulls or not
- Identity and serial fields
- Creating relationships

Simple Queries

- Creating queries
- Comments
- Indentation and case
- ORDER BY and LIMIT

Setting criteria using WHERE

- Wildcards (% and _)
- Setting criteria for dates
- Coping with nulls

Calculations

- Calculated columns
- Using aliases
- String functions and concatenation

Calculations using dates

- Built-in date and time functions
- Converting dates
- Useful date functions

Basic joins

- Inner joins
- Table aliases
- Left and right outer joins

Aggregation and grouping

- SUM, AVG, MIN, MAX
- Various ways to count
- Grouping by fields
- Using HAVING to filter results

Views

- Turning queries into views
- Ordering in views
- Saving and editing views

Subqueries (*)

- The concept of a subquery
- Syntax of subqueries
- Using subqueries in a query

Pre-requisites for Introduction to Postgres SQL course

There aren't any pre-requisites for this course, although you'll find it easier if you've already seen a relational database (one with lots of tables joined together).

Prices

Venue	Address	Price per place
London	Landmark, 99 Bishopsgate, London EC2M 3XD	£1,425 per person + VAT
Manchester	Holiday Inn, 25 Aytoun Street, Manchester M1 3AE	£1,050 per person + VAT
Online	Your home or office!	£875 per person + VAT

Scheduled Dates

Dates	Venue	Times	Price per place	Booking
Tue/Wed 16-17 February 2027	Online	09:30-16:30	£875 + VAT	Book this
Tue/Wed 06-07 April 2027	Online	09:30-16:30	£875 + VAT	Book this
Thu/Fri 27-28 May 2027	Online	09:30-16:30	£875 + VAT	Book this

If you can't see the dates that you want, ask us about organizing a customized course at your office (we'll provide and set up the computers), or else an online course tailored to your needs.