Global Horizon
TRAINING CENTER

Training Course: The Complete SQL Bootcamp 2022: Go from Zero to Hero

21 - 25 October 2024
Liverpool (UK)

Training Course:
The Complete SQL Bootcamp 2022: Go from Zero to Hero

Training Course code: IT234876 From: 21 - 25 October 2024 Venue: Liverpool (UK) - Training Course Fees: 5775 Euro

Introduction

This is a course that puts you in control, and have you set up and restore databases right at the start of the course, instead of watching someone else code. Every section comes with fresh challenge questions and tasks, modeled after real-world tasks and situations.

The Complete SQL Bootcamp 2022: Go from Zero to Hero will allow participants how to read and write complex queries to a database using one of the most in-demand skills - PostgreSQL. These skills are also applicable to any other major SQL database, such as MySQL, Microsoft SQL Server, Amazon Redshift, Oracle, and much more.

Learning SQL is one of the fastest ways to improve your career prospects as it is one of the most in-demand tech skills! In this course, you'll learn quickly and receive challenges and tests along the way to improve your understanding!

Training Objectives

At the end of this training program, participants will learn:

- Get started with PostgreSQL and PgAdmin.
- Learn the basics of SQL syntax
- Analyzing data using aggregate functions with GROUP BY commands
- Running advanced queries with string operations and comparison operations
- Learn to use logical operators to add logic flow to your SQL queries
- Learn common SQL JOIN commands
- Learn to create tables and databases with constraints on data entries
- Learn to use Python to further advance your SQL skills

Target Audience

SQL is one of the most in-demand skills for:

- Business analysts
- Data scientists
- Anyone who finds themselves working with data.

Course Outlines

Introduction to SQL

- Windows Installation - PostGreSQL and PgAdmin with Database setup
- MacOS Installation - PostgreSQL and PgAdmin with First Query

SQL Statements Fundamentals

- SQL Statement Fundamentals
- SELECT Statement
- Challenge: SELECT
- SELECT DISTINCT
- Challenge: SELECT DISTINCT
- COUNT
- SELECT WHERE - Part One
- SELECT WHERE - Part Two
- ORDER BY
- LIMIT
- Challenge: ORDER BY
- BETWEEN
- IN
- LIKE and ILIKE

Group By Statements

- Introduction to GROUP BY
- Aggregation Functions
- GROUP BY - Part One
- GROUP BY - Part Two
- GROUP BY - Challenge
- HAVING

JOINS

- Introduction to JOINs
- AS Statement
- Inner Joins
- Full Outer Joins
- Left Outer Join
- Right Joins
- UNION

Advanced SQL Commands

- Timestamps and Extract
- Quick Note on TO_CHAR
- Mathematical Functions and Operators
- String Functions and Operators
- SubQuery
- Self-Join

Creating Databases and Tables

- Introduction to Section
- Data Types
- Primary Keys and Foreign Keys
- Constraints
- CREATE Table
- INSERT
- UPDATE

- DELETE
- ALTER Table
- DROP Table
- CHECK Constraint

Conditional Expressions and Procedures

- Conditional Expressions and Procedures Introduction
- CASE
- COALESCE
- CAST
- NULLIF
- Views
- Import and Export

PostGreSQL with Python

- Overview of Python and PostgreSQL
- Psycopg2 Example Usage

Registration form on the Training Course:
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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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Person Responsible for Training and Development

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Payment Method

☐ Please find enclosed a cheque made payable to Global Horizon

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Easy Ways To Register

Telephone: +201095004484 to provisionally reserve your place.	Fax your completed registration form to: +20233379764	E-mail to us : info@gh4t.com or training@gh4t.com	Complete & return the booking form with cheque to:Global Horizon 3 Oudai street, Aldouki, Giza, Giza Governorate, Egypt.