



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

*29 November - 3 December 2026*

*Cairo (Egypt)*

*Holiday Inn & Suites Cairo Maadi, an IHG Hotel*

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

Training Course code: IT234876 From: 29 November - 3 December 2026 Venue: Cairo (Egypt) - Holiday Inn & Suites Cairo Maadi, an IHG Hotel Training Course Fees: 4100 € 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

### Day 1: SQL Fundamentals & Setup

Introduction to SQL  
Windows Installation - PostgreSQL and PgAdmin with Database Setup  
MacOS Installation - PostgreSQL and PgAdmin with First Query  
SQL Statements Fundamentals  
SELECT Statement  
SELECT DISTINCT  
COUNT  
SELECT WHERE Part 1 & Part 2  
ORDER BY  
LIMIT

### Day 2: Filtering & Grouping Data

BETWEEN  
IN  
LIKE and ILIKE  
GROUP BY Introduction  
Aggregation Functions  
GROUP BY Part 1 & Part 2  
HAVING  
GROUP BY Challenge  
ORDER BY Challenge

### Day 3: Joins & Set Operations

Introduction to JOINS  
AS Statement Aliases  
Inner Joins  
Left Outer Join  
Right Join  
Full Outer Join  
UNION  
Self Join

### Day 4: Advanced SQL Concepts

Timestamps and Extract  
TO\_CHAR Function  
Mathematical Functions and Operators  
String Functions and Operators  
Subqueries  
Advanced SQL Commands Overview

### Day 5: Database Design & PostgreSQL with Python

Creating Databases and Tables Introduction  
Data Types  
Primary and Foreign Keys  
Constraints CHECK included  
CREATE, INSERT, UPDATE, DELETE  
ALTER and DROP Tables  
Conditional Expressions CASE, COALESCE, CAST, NULLIF  
Views  
Import and Export Data  
PostgreSQL with Python Overview  
Psycpg2 Usage Example

## Registration form on the Training Course: The Complete SQL Bootcamp 2022: Go from Zero to Hero

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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Full Name (Mr / Ms / Dr / Eng): .....  
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### Company Information

Company Name: .....  
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### Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....  
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### Payment Method

- Please find enclosed a cheque made payable to Global Horizon
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### Easy Ways To Register

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