SQL Training

Course Introduction

What Is SQL?

Structured Query Language (SQL)

A language that is designed for organizing data from a relational database

What Is SQL?

- SQL is the mainstream language used to access databases.
- The databases are programs that enable clients to store and manage information in a logical manner.
- According to ANSI (American National Standards Institute), it is the standard language for RDBMS.
- SQL statements are used to perform tasks such as updating data on the database or retrieving data from a database.
- SQL has a wide range of applications in the industry.

What Is MySQL?

MySQL is an open-source RDBMS used for developing dynamic and robust server-side or web-based software applications.

It supports a variety of operating systems and programming languages

It is owned by Oracle, which is used by a wide range of small and large companies

Oracle sells a commercially licensed version with premium support.

Importance of MySQL

Data Security

Employs strong data security layers

On-demand scalability

Facilitates the administration of deeply embedded apps

High performance

Is faster and gives users the access to all the features

Reduced total cost of ownership

Saves the cost as it is free and preinstalled on most hosting servers

Prerequisites

There are no prerequisites.

Learners

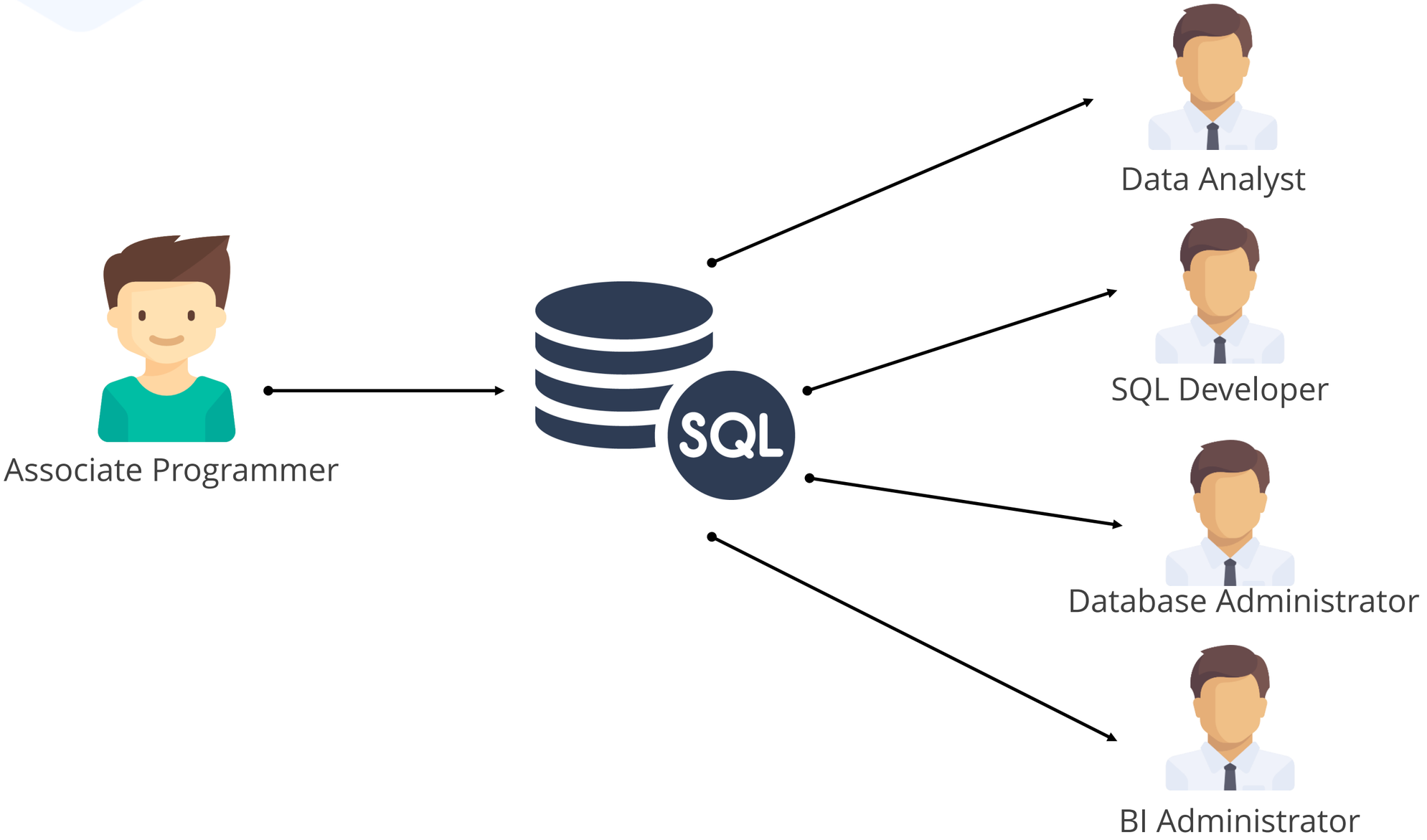
Programmers

Program Managers

Software Developers

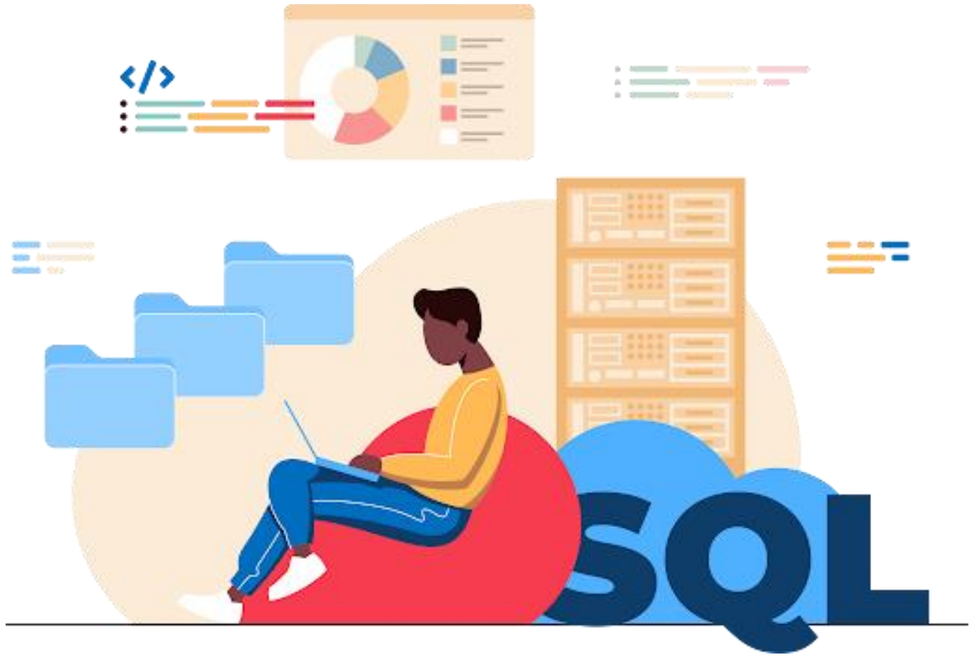
Learning Enthusiasts

Career Path With SQL



Demand for SQL

The demand for SQL is rapidly increasing in various data science fields.



Companies Hiring Data Analysts

BARCLAYS

amazon

ORACLE

facebook

Google

PayPal

Microsoft

IBM

Course Features

Self-paced learning content

Live virtual classes

Hands-on exercises

Course Features

Theoretical concepts

Case studies

Integrated labs

Projects

Course Features

Class sizes are limited to foster maximum interaction.

Course Outline

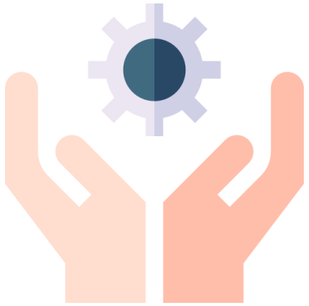
1. Course Introduction
2. Introduction to SQL
3. Database Normalization and ER Modeling
4. MySQL Installation and Setup
5. Working with Databases and Tables
6. Working with Operators, Constraints, and Data Types
7. Functions in MySQL
8. Subqueries, Operators, and Derived Tables in SQL
9. Window Functions in SQL
10. Working with Views
11. Stored Procedures and Triggers
12. Performance Optimization and Best Practices in SQL

Course Outcomes

- Learn the basics of a database, SQL, and database normalization techniques
- Use data analysis techniques such as querying, filtering, sorting, and grouping
- Work with constraints and various data types supported in MySQL
- Use subqueries, operators, and derived tables to work with advanced operators
- Learn how to manipulate view and work with stored procedures and triggers
- Know about execution plans, common table expressions, and best practices used

Course Components

E-books



Assisted practices

Assessments

Projects

Let’s get started!