11 Best Free SQL Courses & Certification (2021 Update)

SQL is the standard language for dealing with Relational Databases. SQL can be used to insert, search, update, and delete database records. Microsoft SQL can do lots of other operations, including optimizing and maintaining databases. SQL stands for Structured Query Language, pronounced as "S-Q-L" or sometimes as "See-Quel". Relational databases like MySQL Database, Oracle, MS SQL Server, Sybase, etc., use ANSI SQL.

Following is a handpicked list of the Top SQL Training Courses & Certifications to gather knowledge about SQL. The list contains both open source (free) and commercial (paid) courses.

Best SQL certification Courses

Course Name	Provider	Duration	Certification	Link
The Ultimate MySQL Bootcamp	Udemy	9 hours	Yes	Learn More
Structure Query Language Intro by University of Michigan	University of Michigan	16 hours to complete	Yes	Learn More
The Complete SQL Bootcamp 2020	Udemy	9 hours on-demand video	Yes	Learn More

SQL Certification for Data Science	Coursera	3.5 hours on-demand video	Yes	Learn More
SQL for Data Analysis	Udemy	20 hours on-demand video	Yes	Learn More
MySQL for Data Analysis and Business Intelligence	Udemy	9.5 hours on-demand video	Yes	Learn More
Excel to MySQL	Coursera	self-placed	Yes	Learn More
Database and SQL Certification for Data Science	Coursera	14 hours	Yes	Learn More
Learn SQL Using PostgreSQL	Udemy	16 hours on-demand video	Yes	Learn More
CertifieOracle SQL	Udemy	19 hours on-demand video	Yes	Learn More
Learn SQL online	Codecademy	7 Hours	Yes	Learn More

1) The Ultimate MySQL Bootcamp: Go from SQL Beginner to Expert

The Ultimate MySQL Bootcamp course helps you to learn SQL. It introduces you to a solid foundation in databases in an informative and engaging way.

This best online SQL course is full of exercises, challenges, projects, and opportunities to practice what you are learning. You can apply what you are learning to real-world challenges like finding a website's power users, calculating your top students, identifying bots on a site. This SQL course is ideal for the learner who wants to find the answer of complex business queries.

Key topics:

- Allows you to create your database or interact with existing databases
- Helps you to write complex SQL queries across multiple tables
- How to build a web app using NodeJS and MySQL
- Learn how to model real-world data and generate reports by using SQL
- Learn about how to answer company performance or sales questions using data

Features:

- 141 articles
- 4 downloadable resources
- Full lifetime access
- Access on mobile and TV
- Supported languages: English, German, Italian, Spanish, etc.

Rating: 4.6

Duration: 20 hours of on-demand video

Provider: Udemy

Certificate: Yes

Level: Beginner, Intermediate, Expert

Link:https://www.udemy.com/course/the-ultimate-mysql-bootcamp-go-from-sql-beginner-to-expert

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2) Structure Query Language Intro by University of Michigan

In this SQL course, you learn all the steps to install a text editor, installing XAMPP or MAMP, create a MySql Database, etc.

In this one of the best SQL course, you will learn about single table queries and the SQL language. It helps you to learn database design, basic SQL syntax with multiple tables, foreign keys, and the JOIN operation. At the end of this course, you will know how to model many-to-many relationships like those needed to represent users, roles, and courses.

Key topics:

- Installing PHP and SQL
- Introduction to Structured Query Language (SQL)
- Database Design
- Many-To-Many relationships

Features:

- This course plus the full Specialization
- Shareable certificates
- Self-Paced learning option
- Course videos & readings
- Practice quizzes
- Graded assignments
- Graded quizzes with instant Feedback
- Graded programming assignment
- Flexible deadlines
- Subtitles: French, Portuguese (Brazilian), Serbian, Korean, Russian, English, Spanish

Rating: 4.8

Duration: 16 hours to complete

Price/Fee: Free

Provider: Michigan University

Certificate: Yes

Level: Intermediate

Link: https://www.coursera.org/learn/intro-sql

3) The Complete SQL Bootcamp 2020: Go from Zero to Hero

In this Complete SQL Bootcamp course, you will learn how to read and write complex queries to a database using one of the most in-demand skills - PostgreSQL. This course also teaches how you will learn quickly and receive challenges and tests along the way to improve your understanding.

This free SQL training course puts you in control and helps you set up and restore databases right at the start of the course instead of watching someone else code. Every section included in this course comes with fresh challenge questions and tasks modeled after real-world tasks and situations.

Key topics:

- Use SQL to query a database
- Learn the basics of SQL syntax
- Learn how SQL helps you to perform data analysis
- Learn how to perform GROUP BY statements and use common SQL JOIN commands
- How to create tables and databases with constraints on data entries
- Learn how to use Python to advance your SQL skills further
- Replicate real-world situations and query reports

Features:

- 15 articles

- 10 downloadable resources
- Full lifetime access
- Access on mobile and TV

Rating: 4.7

Duration: 9 hours on-demand video

Provider: Udemy

Certificate: Yes

Level: Beginner, Intermediate, Expert

Link:https://www.udemy.com/course/the-complete-sql-bootcamp/

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4) SQL Certification for Data Science

SQL Certificate for Data Science is a course designed to provide knowledge of SQL fundamentals and work with data to analyze data science purposes.

This best online SQL course begins with the basics and gradually teaches you how to write simple and complex queries, which help you select data from tables. In this course, you will also learn different data types like strings and numbers and discuss methods to filter and pare down your results.

This SQL also teaches you some common operators and how to combine the data. You will also know how to use statements and concepts like data governance and profiling. The course material discusses the topic on data and practice using real-world programming assignments.

Key topics:

- Learn to identify a subset of data needed from a column or set of columns and write a SQL query to limit those results.
- Use SQL commands to sort, filter, and summarize data.
- Create an analysis table from various queries using the UNION operator.
- Learn to manipulate strings, dates, & numeric data using functions to integrate data from different sources.

Features:

- Earn a certificate upon completion
- 100% online
- Start instantly and learn at your schedule.
- Learn SQL Basics for Data Science Specialization
- Flexible deadlines
- It allows you to reset deadlines according to your prefer in the schedule.
- Subtitles: French, Portuguese (Brazilian), Russian, English, Spanish

Rating: 4.6

Duration: Approx. 14 hours to complete

Fee: Free

Provider: Coursera

Certificate: Yes

Level: Beginner

Link: https://www.coursera.org/learn/sql-for-data-science

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5) SQL for Data Analysis: Weekender Crash Course for Beginners

SQL for Data analysis is perfect for anyone who has no or little technical background. This course teaches you the SQL concept in easy to understand language. After the end of this SQL course, you will know the skills to do some real data analysis for your company using SQL, a language virtually everyone uses.

The things you learn will be easy to apply to your own company. These queries help you run a real business and teach you the basic skills, which is a need for those queries to adapt those skills to create your custom queries for your applications.

Key topics:

- Learn how to analyze user behavior
- Find actionable customer/business insights
- How to make data-driven decisions

- Learn about the measure and track marketing efforts
- Discover sexy marketing stats

Features:

- 9 articles
- 3 downloadable resources
- Full lifetime access
- Access on mobile and TV
- Certificate of completion

Rating: 4.3

Duration: 3.5 hours on-demand video

Provider: Udemy

Certificate: Yes

Level: Beginner, Intermediate, Expert

Link: https://www.udemy.com/course/sql-for-newbs

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6) MySQL for Data Analysis and Business Intelligence

This SQL course approach more advanced programming topics like SQL's triggers, sequences, local and global variables, indexes, and more. You will know how to merge coding skills and business acumen to solve complex analytical problems.

In this course, you will also learn how you answer specific business questions using SQL's aggregate functions. You can become a SQL user by writing flawless and efficient queries.

Key topics:

- How to prepare yourself for real-life database management
- Learn how to code in SQL
- How to adopt professionally tested SQL best practices
- Study RDBMS theory that you will need in your workplace every day
- How to control your dataset—insert, update, and delete records from your database
- Learn to handle complex SQL joins with ease
- How to merge coding skills and business acumen to solve complex analytical problems

Features:

- 141 articles
- Provide 4 downloadable resources
- Full lifetime access
- Allows you to have access to mobile and TV

Rating: 4.6

Duration: 20 hours of on-demand video

Provider: Udemy

Certificate: Yes

Level: Beginner

Link:

https://www.udemy.com/course/the-ultimate-mysql-bootcamp-go-from-sql-beginner-to-expert

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7) Excel to MySQL: Analytic Techniques for Business by Duke University

In this Specialization, you will learn to frame business challenges as data questions. You will also learn how to use powerful tools and methods such as MYSQL, Excel, Tableau. This helps you analyze data, create forecasts and models, design visualizations, and communicate your insights.

In this SQL course, you will study how you can apply your skills to explore and improve a real-world business process.

Key topics:

- Introducing Business Metrics
- Working in the Business Data Analytics Marketplace
- Going Deeper into Business Metrics
- How to apply business Metrics to a Business Case Study

Features:

- Self-Paced learning option
- Course videos & readings
- Practice quizzes

- Programming assignments
- Quizzes with feedback

Rating: 4.6

Duration: Approx. 8 hours to complete

Fee: Free

Provider: Duke University

Certificate: Yes

Level: Beginner

Link: https://www.coursera.org/specializations/excel-mysql
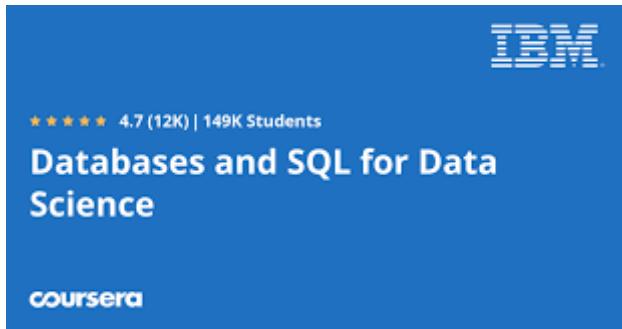
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8) Database and SQL Certification for Data Science

Database and SQL Certification for Data Science is a course that introduces you to the relational database concepts and learns and apply knowledge of the SQL language. You can learn this SQL course online, which helps you to get started with performing SQL access in a data science environment.

The course helps you to learn SQL online. You will also learn how to create a database instance in the cloud. With a series of hands-on labs, you will practice building and running SQL queries. You also get known how to access databases from Jupyter notebooks using SQL and Python.

Key topics:

- How to create and access a database instance on the cloud.
- How to write basic SQL statements: CREATE, DROP, INSERT, UPDATE, DELETE.
- How to filter, sort, group results, use built-in functions, access multiple tables.
- Learn to access databases from Jupyter using Python and work with real-world datasets.

Features:

- Flexible deadlines
- Self-Paced Learning Option
- Course Videos & Readings
- Practice Quizzes
- Graded Assignments with Peer Feedback
- Graded Quizzes with Feedback
- Graded Programming Assignments

Rating: 4.7

Duration: Approx. 13 hours to complete

Fee: Free

Provider: IBM

Certificate: Yes

Level: Beginner

Link:https://www.coursera.org/learn/sql-data-science

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9) Learn SQL Using PostgreSQL: From Zero to Hero

Learn SQL using PostreSQL is a course that teaches you SQL along with PostgreSQL. It is the best way to learn SQL, which teaches you how to join multiple tables, selection statements.

You will also know how to group records to get aggregate and data, Inserting, updating, and deleting records, creating tables and indexes, table constraints to keep data clean, sequences to create auto-incrementing fields, Views to simply accessing complex queries, etc.

Key topics:

- How to perform sophisticated queries
- Join tables together
- Create and modifying tables
- Create indexes to improve search speed
- Put in constraints to keep data clean
- Use the pgAdmin tool

- Learn recursive queries
- How views make accessing data simpler
- Subqueries
- Sequences to auto-increment fields
- Common Table Expressions
- Conditional Expressions
- Window Functions
- How to handle data and time data
- SQL Functions
- Transactions and Concurrency Control
- Composite Data Types
- Array Data Types

Features:

- 6 Articles
- 159 downloadable resources
- Full lifetime access
- Access on mobile and TV

Rating: 4.5

Duration: 16 hours of on-demand video

Provider: Udemy

Certificate: Yes

Link: https://www.udemy.com/course/postgresql-from-zero-to-hero/

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10) Oracle SQL: Become a Certified SQL Developer From Scratch!

This course helps you quickly get up to speed with Oracle SQL. The course teaches you the essential concepts of writing SQL codes easily and thinking analytically against the problem in your company.

This course is the best way to learn SQL. It has extremely easy instruction, which is extremely easy to follow and highly informative. Other students enjoy using relevant examples throughout the course, making the content even easier to comprehend.

Key topics:

- You will be able to answer any SQL Interview Questions Confidently!
- How to solve SQL-related Problems by Yourself Creating Analytical Solutions!
- You can test your skill with Hundreds of Hands-on Examples, Quizzes, Challenges!
- Lifetime support from the Instructors. Get a Well-Organized Recap Document from the lecturer!

Features:

- 11 articles
- 15 downloadable resources:
- Full lifetime access
- Access on mobile and TV
- Assignments

Rating: 4.5

Duration: 19 hours of on-demand video

Provider: Udemy

Certificate: Yes

Link:
https://www.udemy.com/course/oracle-sql-12c-become-an-sql-developer-with-subtitle/

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11)Learn SQL Online

Learn SQL Online is a course for beginners to learn how to communicate with relational databases through SQL. You will learn this subject with four different case study projects. Learn to manipulate data and build queries that communicate with more than one table.

The statements covered in this Online SQL course use SQLite Relational Database Management System. It also allows you to access a glossary of all the SQL commands.

Key topics:

- Learn how you can use SQL to access, create, and update data stored in a database.
- Learn complex database operations.

- Perform complex queries by learning essential query keywords and functionality.
- Learn how to expand your Microsoft SQL skills by developing and manipulating databases with multiple related tables

Features:

- Unlimited access to all Codecademy content
- Real-world projects designed by experts
- Instructional videos led by professionals
- Exclusive access to new course content
- Access to an exclusive community of peers
- Flexible team management with seat reassignments

Duration: 7 Hours

Fee: Free

Provider: Codecademy

Certificate: Yes

Prerequisites: None

Link:https://www.codecademy.com/learn/learn-sql

FAQ

❓ Do I get a Printable Certificate?

Yes, you will get a printable certificate in many courses. Some course providers will ship a hard copy of the certificate to your desired address.

⚡ What if I miss a class?

All the classes are recorded and can be replayed later.

🏅 What if I do not like a SQL Certification course I purchased?

Most courses come with a 30 day return policy or have a 7 day free trial.

❗ How can I ask my doubts or questions?

Most courses have a forum that allows you to raise questions that are frequently answered by course authors.