

From Excel to SQL

GoSkills online course syllabus

Skill level

Beginner

Lessons

24

Pre-requisites

No prior experience needed

Video duration

1h 24m

Estimated study time

1h 24m

Instructor

James Parkin

Introduction

- 1 Moving from Excel to SQL**
Excel is powerful, but it can't access everything, especially when data lives in a database.
- 2 Setting up your environment for SQL**
It's important you first setup your environment correctly before you begin exploring SQL.

Comparing Excel and SQL

- 3 Spreadsheets vs databases**
Do you know the difference between a spreadsheet and a database?
- 4 What is SQL?**
SQL is a powerful language to help you work with databases. After watching this video, you'll be able to identify the key traits of SQL.

SQL Basics

- 5 Viewing data in SQL**
There are a few key things to know about viewing data in SQL. After watching this video, you'll be able to view your data.
- 6 Identifying columns in SQL**
The columns in SQL help you organize your data. After watching this video, you'll be able to work with columns in SQL.
- 7 Filtering rows in SQL**
Rows are easily filtered using SQL language. After watching this video, you'll be able to better filter your rows in SQL.

8 Combining filters in SQL

You can combine filters for even more powerful results in SQL. After watching this video, you'll be able to use and combine filters in SQL.

9 Limiting results in SQL

Sometimes the amount of results generated can be overwhelming. After watching this video, you'll be able to get the right amount of results.

10 Comparison operators in SQL

Comparison operators are a popular part of SQL. After watching this video, you'll be able to use comparison operators in SQL.

11 The Like operator in SQL

Like operators help you look for patterns in your data. After watching this video, you'll be able to utilize the like operator in SQL.

Working with Functions

12 Using SUM in SQL

In Excel, SUM is the most used function. After watching this video, you'll be able to use the SUM function in SQL.

13 AVERAGE, MIN, MAX, and COUNT in SQL

AVERAGE, MIN, MAX, and COUNT are basic functions in the SQL language. After watching this video, you'll be able to use mathematical functions in SQL.

14 Finding unique values in SQL

There are a few key things to know about finding unique values in SQL. After watching this video, you'll be able to find unique values in SQL.

15 Upper, lower, and length in SQL

There are advanced ways to look into data in SQL. After watching this video, you'll be able to use upper, lower, and length in SQL.

Organizing Data

16 Sorting data

When you're working with data, it's important to be organized. After watching this video, you'll be able to sort data effectively in SQL.

17 Grouping data

Grouping data can help you stay organized. After watching this video, you'll be able to group data effectively in SQL.

- 18** **Using a PivotTable in SQL**
Pivot tables are great ways to get insights into your data. After watching this video, you'll be able to use a pivot table in SQL.
- 19** **Subqueries in SQL**
To take your analysis even further, you should explore using subqueries.
- 20** **Advanced subqueries in SQL**
Subqueries are a powerful tool you can use to dive deeper into your data.

Combining Data

- 21** **Using joins**
Joins can help you better control your data in SQL. After watching this video, you'll be able to use joins in SQL.
- 22** **The different types of joins**
There are several different types of joins in SQL.
- 23** **Using VLookup, HLookup, XLookup in SQL**
Similar to Microsoft Excel, there are a set of ways to using lookups in SQL. After watching this video, you'll be able to use lookup functions in SQL.

Conclusion

- 24** **Taking your SQL skills to the next level**
Congratulations on completing this course!

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