

# SQL for Data Practitioners

Learn how to describe what SQL (Structured Query Language) is, write SQL queries, answer questions by accessing and querying a database, and create and manipulate tables in databases in this SQL for Data Practitioners course.

[CBT Nuggets course material](#) →

## WEEK 1

### SQL for Data Practitioners: Introduction & Setup 155 min.

SQL, Databases, and Tables	10
PostgreSQL and PgAdmin Setup	15
Jupyter Notebook (optional)	9
Code Challenge	1
Code Challenge Introduction	5
Supplemental Files	1

### SQL for Data Practitioners: Statements

Introduction	4
SELECT	9
SELECT DISTINCT	8
COUNT	14
Code Challenge	1
Solutions Video	8

### SQL for Data Practitioners: Filtering

Introduction	4
Filtering with Operators	12
SELECT WHERE	17
BETWEEN	17
Code Challenge	1
Solution Video	7

### SQL for Data Practitioners: Specific Filtering

Introduction	2
WHERE IN	10

**WEEK 2****154 min.**

NULL and IS NULL	7
LIKE and NOT LIKE	10
Code Challenge	2
Solutions Video	11
Taking a Step Back	1

**SQL for Data Practitioners: Aggregating & Sorting**

Introduction	3
Aggregate Functions	12
ORDER BY	12
LIMIT	9
Code Challenge	1
Solution Video	8

**SQL for Data Practitioners: Grouping**

Introduction	3
GROUP BY (part I)	14
GROUP BY (part II)	17
HAVING	7
Code Challenge	1
Solutions Video	8

**SQL for Data Practitioners: Inner Joins**

Introduction	4
Joins	10
AS	14

**WEEK 3****151 min.**

INNER JOIN	20
Code Challenge ☒	1
Solutions Video	9

**SQL for Data Practitioners: Outer Joins**

Introduction	3
Full Outer Joins	13
Left Outer Joins	10
Right Outer Joins	4
UNION	4
Code Challenge	1
Solution Video	8

**SQL for Data Practitioners: Creating Databases**

Introduction	6
Data Types	11
Primary and Foreign Keys	7
Constraints	5
CREATE Database and Tables Part I	8
CREATE Database and Tables Part II	13

**SQL for Data Practitioners: Manipulating Databases**

Introduction	2
INSERT	10
UPDATE	12
DELETE	4

## WEEK 4

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ALTER  
DROP  
CHECK

**19 min.**

10  
2  
7