



# **Advanced SQL w/ ChatGPT Training Curriculum**

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# SQL Training Topics

- Group By
- Having
- Unions
- Subqueries
  - FROM Statement Subqueries
  - WHERE Statement Subqueries
- Compiling multiple complex queries into one
- ChatGPT prompt engineering to help with writing queries and troubleshooting any query errors

# Training Syllabus

## Grouping Data

- Group data categories through the utilization of aggregate functions and **GROUP BY** function
- Filter grouped data categories via **HAVING** statements

## Appending Query Results

- Utilize **UNIONS** to append multiple query results into one consolidated query result

## Writing Queries Within Queries

- Utilize **SUBQUERIES** to write a query within a query and to write multiple page complex queries
- Create temporary tables via **SUBQUERIES** in the FROM statement
- Filter records from query results derived from **SUBQUERIES** in the WHERE statement

## Prompt Engineering with ChatGPT

- Learn how to use ChatGPT to help write complex queries and troubleshooting query errors