



WSDA SQL Exercise Reference Sheet

Course: Data Analysis – Investigate with SQL



How to Use This




This reference sheet contains all of the SQL queries used throughout the course. It's here to **help you double-check your work**, revisit key commands, and continue practicing long after the course ends.

But here's the thing:

Don't use this as a shortcut.

Type out every query yourself as you progress through the lessons.

Typing reinforces:

-  Understanding of SQL syntax and logic
-  Muscle memory for real-world application
-  Deeper learning through repetition

Use this sheet to confirm what you've written or to practice further in the [WSDA SQL Practice Editor](#) — which also supports uploading any SQLite file from this course or my other courses on [LinkedIn Learning](#).

Query #1 — NYC Residents

```
--Query #1
/*
NAME: Walter Shields
DATE: mm/dd/yyyy
DESCRIPTION: Do we have anyone in our database who resides in NYC
*/
SELECT
  id AS [Customer Number],
  firstName AS [First Name],
  LastName AS [Last Name],
  city AS City,
  age AS Age
FROM
  customer_details
ORDER BY city
LIMIT 100;
```

Query #2 — Flights to NYC (Before Crime)

```
--Query #2
SELECT
  customer_id AS [Customer Num],
  cusfName AS [First Name],
  cuslname AS [Last Name],
  start_city AS [Departure City],
  dest_city AS [Arrival City],
  flightdate AS [Flight Date]
FROM
  flight_details
WHERE
  dest_city = 'New York City' AND flightdate <= '2021-10-23';
```

Query #3 — Flights from NYC (After Crime)

```
--Query #3
SELECT
  customer_id AS [Customer Num],
  cusfname AS [First Name],
  cuslname AS [Last Name],
  start_city AS [Departure City],
  dest_city AS [Arrival City],
  flightdate AS [Flight Date]
FROM
  flight_details
WHERE
  start_city = 'New York City' AND flightdate >= '2021-10-23';
```

Query #4 — All Messages (5-Day Range)

```
--Query #4
SELECT
  sender_id AS [Sender ID],
  senderfname AS [Sender First Name],
  senderlname AS [Sender Last Name],
  receiver_id AS [Recipient ID],
  recieverfname AS [Recipient First Name],
  recieverlname AS [Recipient Last Name],
  message AS [Text Message],
  sent AS [Date Sent]
FROM
  text_messages
WHERE
  sent BETWEEN '2021-10-20' AND '2021-10-25'
ORDER BY sent;
```



Query #5 — Messages from Key Suspects

```
--Query #5
SELECT
  sender_id AS [Sender ID],
  senderfname AS [Sender First Name],
  senderlname AS [Sender Last Name],
  receiver_id AS [Recipient ID],
  recieverfname AS [Recipient First Name],
  recieverlname AS [Recipient Last Name],
  message AS [Text Message],
  sent AS [Sent Date]
FROM
  text_messages
WHERE
  sent BETWEEN '2021-10-20' AND '2021-10-25'
  AND sender_id IN (32,38,100,105,106)
ORDER BY sent;
```



Keep practicing, stay curious — and don't forget to explore other databases in the WSDA SQL Editor to strengthen your skills.