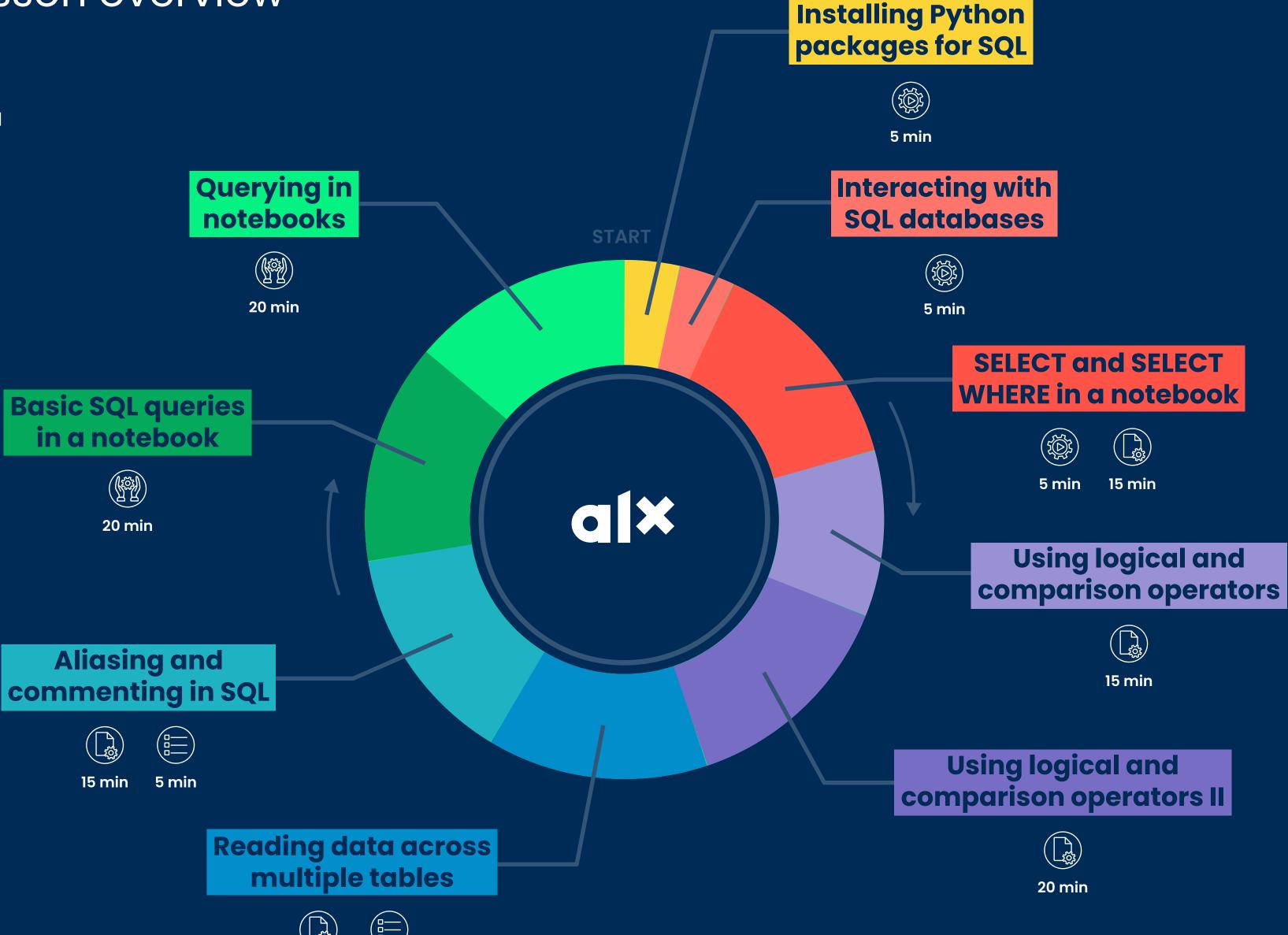# **Querying in notebooks** – Lesson overview

Jupyter Notebook is a powerful tool that combines code, documentation, and visualisation, making it an ideal platform for data analysis and database querying tasks.

In this lesson, we'll look at using Jupyter notebooks to **interact with SQL** and SQL databases. Additionally, we demonstrate how to use **SQL best practices** and **execute basic SQL queries** in Jupyter notebooks.

## **Learning objectives**

- Install Python packages for SQL.
- Know how to interact with SQL databases using SQL magic commands and run basic queries in a notebook.
- Know how to read data across multiple tables in a database.
- Learn how to use aliases and comments in SQL to make code more readable.

⚙ **Walk-through**

🗎 **Notebook**

☰ **Knowledge questions**

🖐 **Exercise**

**Installing Python packages for SQL**
5 min

**Interacting with SQL databases**
5 min

**Querying in notebooks**
20 min

START

**SELECT and SELECT WHERE in a notebook**
5 min   15 min

**Basic SQL queries in a notebook**
20 min

**Using logical and comparison operators**
15 min

**Aliasing and commenting in SQL**
15 min   5 min

**Using logical and comparison operators II**
20 min

**Reading data across multiple tables**
15 min   5 min

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