






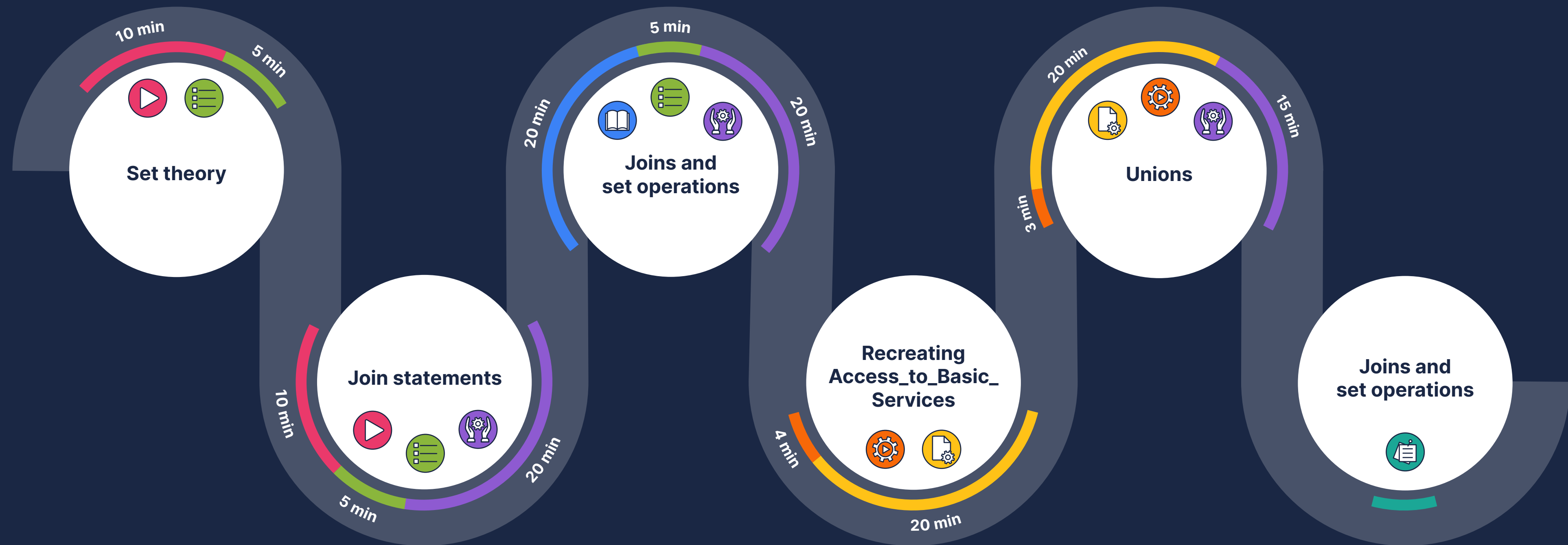


# Joins and set operations – Lesson overview

In the world of relational databases, the ability to **combine and manipulate data from multiple tables is essential**. This lesson delves into the powerful concepts of SQL joins and unions while drawing parallels with set theory.

By the end of this lesson, you will have a comprehensive understanding of **how to seamlessly integrate data from different tables and perform complex operations** using these techniques.

 Video	 Knowledge questions
 Slide deck	 Exercise
 Walk-through	 Notebook
 Reference card	



## Learning objectives

- Understand the fundamentals of set theory and its relevance to SQL joins and set operations.
- Learn how to utilise various types of join statements to combine data from multiple tables in SQL.
- Explore the differences between inner, outer, left, and right joins, and know when to apply each type.
- Master the concept of SQL set operations and how they merge datasets while eliminating duplicates.

