



Entity-relationship data models - Lesson overview


In this lesson, we dive into the **various types of relationships** that exist within a database and the **Entity-relationship Diagrams** that can be designed based on these relationships. We dive deeper into the keys that are used to implement these relationships and how to create them practically in SQL.


Learning objectives


- Understand the fundamental concepts of entities, attributes, and relationships in the context of a database.
- Differentiate between the types of database relationships.
- Describe the use of database keys in implementing table relationships.
- Apply a database design approach based on Entity-relation modelling to decompose an existing table.
- Extract Entity-Relationship Diagrams (ERDs) from an existing database.


 **Video**

 **Walk-through**

 **Exercise**

 **Knowledge questions**

 **Notebook**

 **Reference card**

