



Murach 4e Chapter 10 Supplemental Slides

Dump, Load, and Drop

- You can dump the database schema and data using MySQL Workbench.
- Database dumps are just schema scripts with inserts for the data.
- Databases can be restored or moved by running the dump script on the target server.
- Dump scripts run to restore the database should run successfully regardless of whether you have dropped the database.

Backward Engineering

- The MySQL Workbench diagrammer can create a model/diagram from:
 - An existing database on the server
 - A schema script
 - A database dump script



Physical Database Design Diagramming

- The MySQL Workbench diagrammer allows for the creation of a physical database design diagram that includes all physical design details.



Forward Engineering

- The MySQL Workbench Diagrammer allows models/diagrams to be forward engineered into:
 - A database on the server
 - A schema script



Round Tripping

- You can make changes to the model/diagram and forward engineer them into a database.
- You can make changes to the database and reverse engineer them into a model/diagram.
- You can make changes to a schema script file and run the resulting script to create a revised database.
- You can make changes to a schema script file and reverse engineer it into a model/diagram.
- The ability to propagate design changes from database to script to model/diagram and back to the database is called round tripping.