## Forward-Engineering ERD and Data Using MySQL Workbench

- 1. **\*\*\*First rename database to your specific username**\*\*\*
  - a. The default database is mydb. It must be changed to your username!
  - b. "Catalog Tree" in left-pane
  - c. Rt-click database > Edit Schema > rename database to **your** username

2. Ctrl-g (PC), or Command-g (Mac), or menu... database... forward engineer

## 3. Check boxes below:

- ✓ Drop Object Before Each CREATE Object
- ✓ Generate DROP SCHEMA
- ✓ Add SHOW WARNINGS After Every DDL Statement
- ✓ Generate INSERT Statements for Tables

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Connection Options	Set Options for Database to be Created	
Options		
Select Objects	Tables	
Review SQL Script	Skip creation of FOREIGN KEYS	
Commit Progress	Skip creation of FK Indexes as well	
	CREATE INDEX statements	
	Generate INSERT statements for tables	
	Disable FK checks for INSERTs	
	Other Objects	
	Don't create view placeholder tables	
	Do not create users. Only create privileges (GRANTs)	
	Code Generation	
	DROP objects before each CREATE object	
	Generate DROP SCHEMA	
	Omit schema qualifier in object names	
	Generate USE statements	
	V Add SHOW WARNINGS after every DDL statement	
	Include model attached scripts	
	Back	Next Cancel

- 4. Next: check "Export MySQL Table Objects"
- 5. Next: Review the SQL Script to be Executed
- Next: Connect to DMBS: select previously created stored connection (Or, make connection: Blackboard > NOTES > FSU CCI MySQL Workbench Login Procedures)
- 7. Execute (table structures with data)

Note: If errors, correct then retry. Read documents under "Working with Databases":

See Notes > Database Resources > **Working with Databases** 

8. Finish