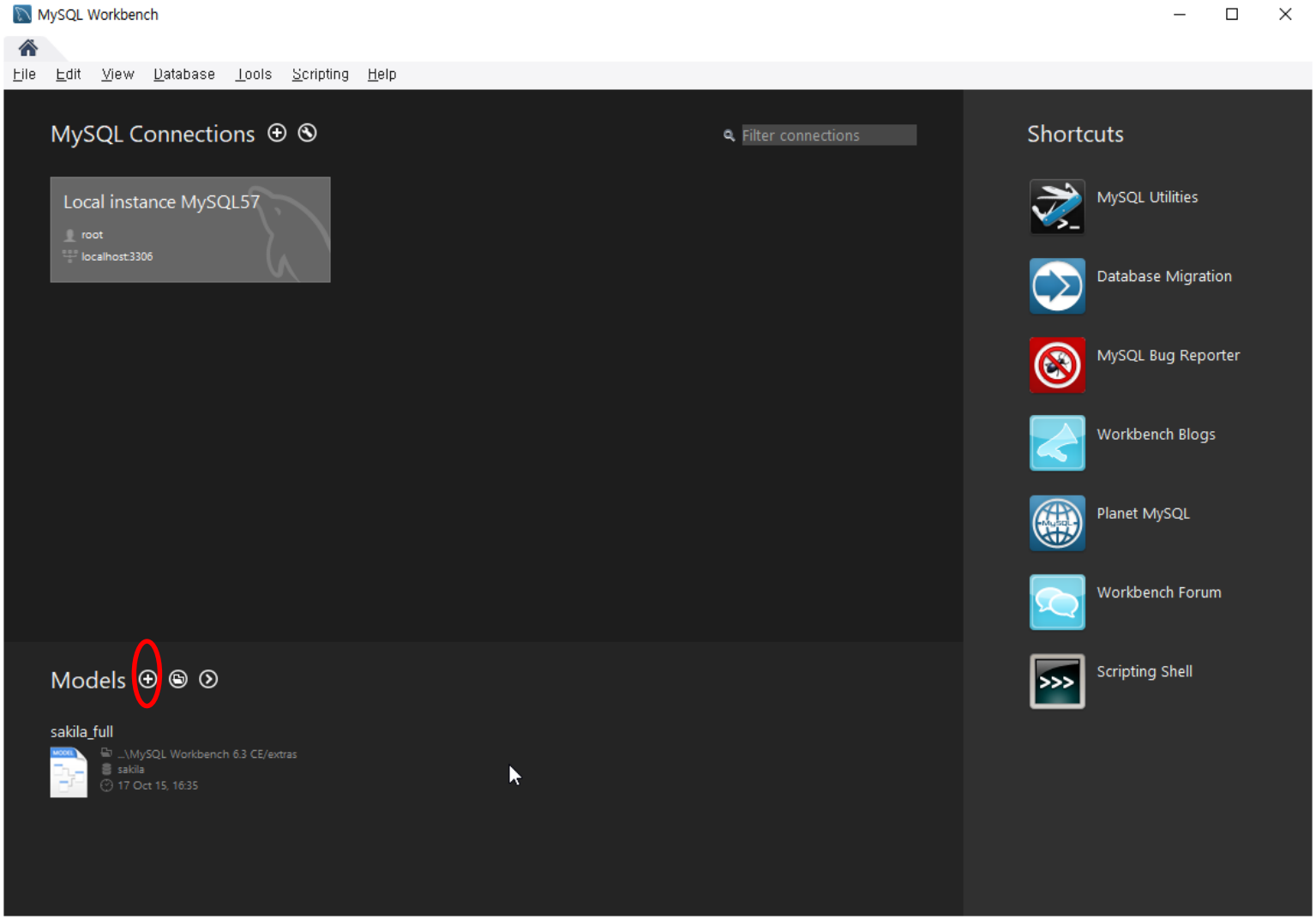
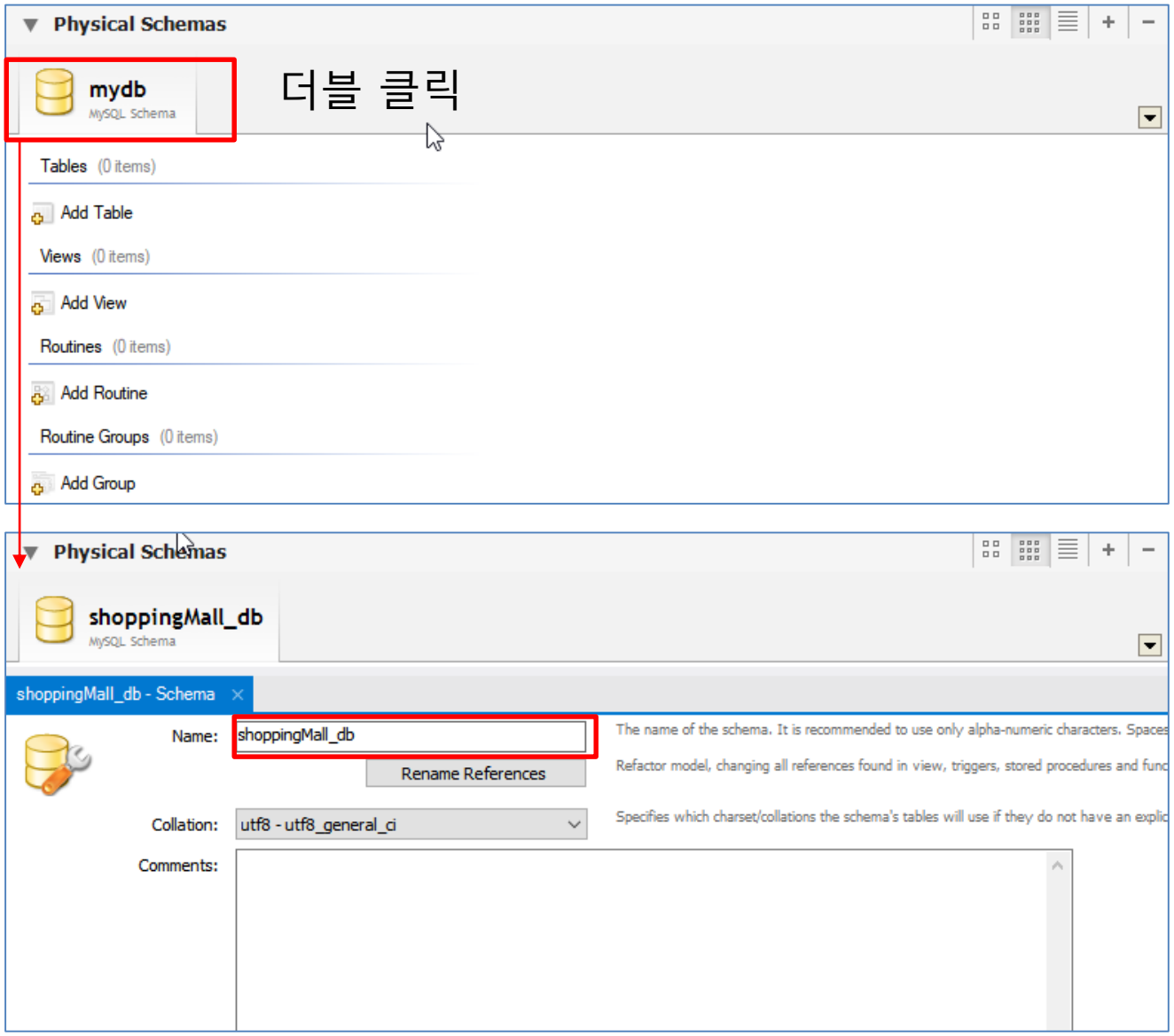
ERD 화면 시작

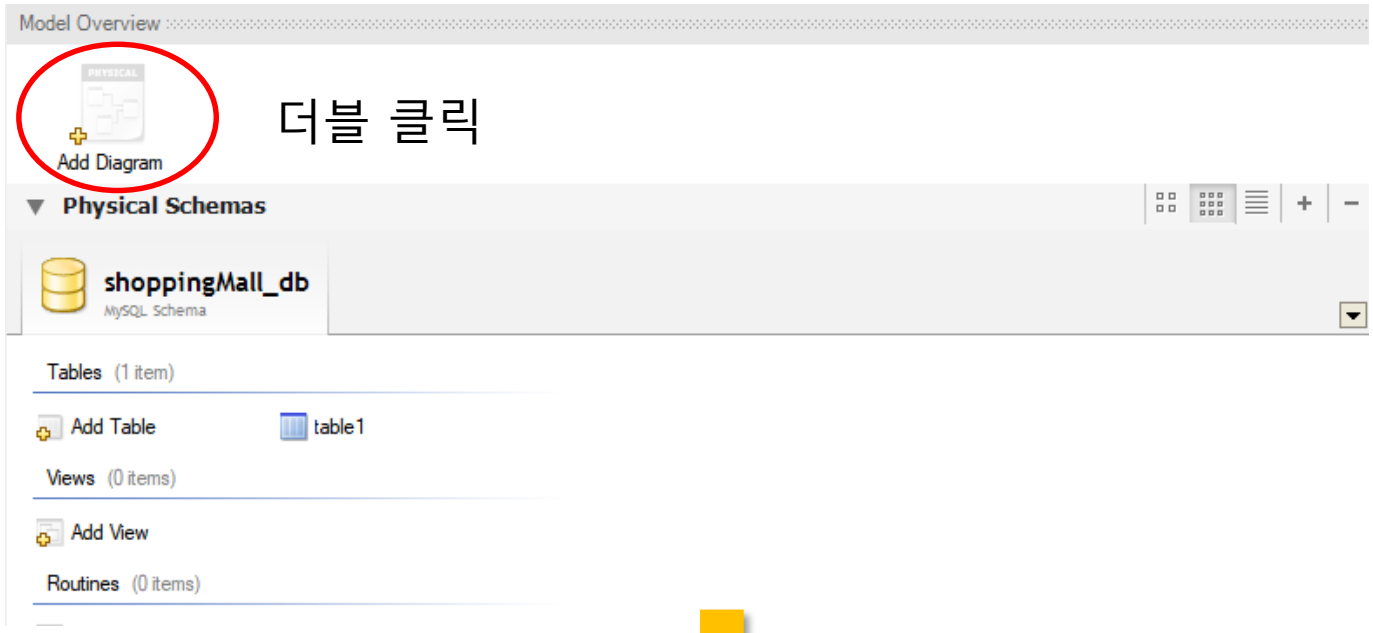
- 워크 벤치 실행

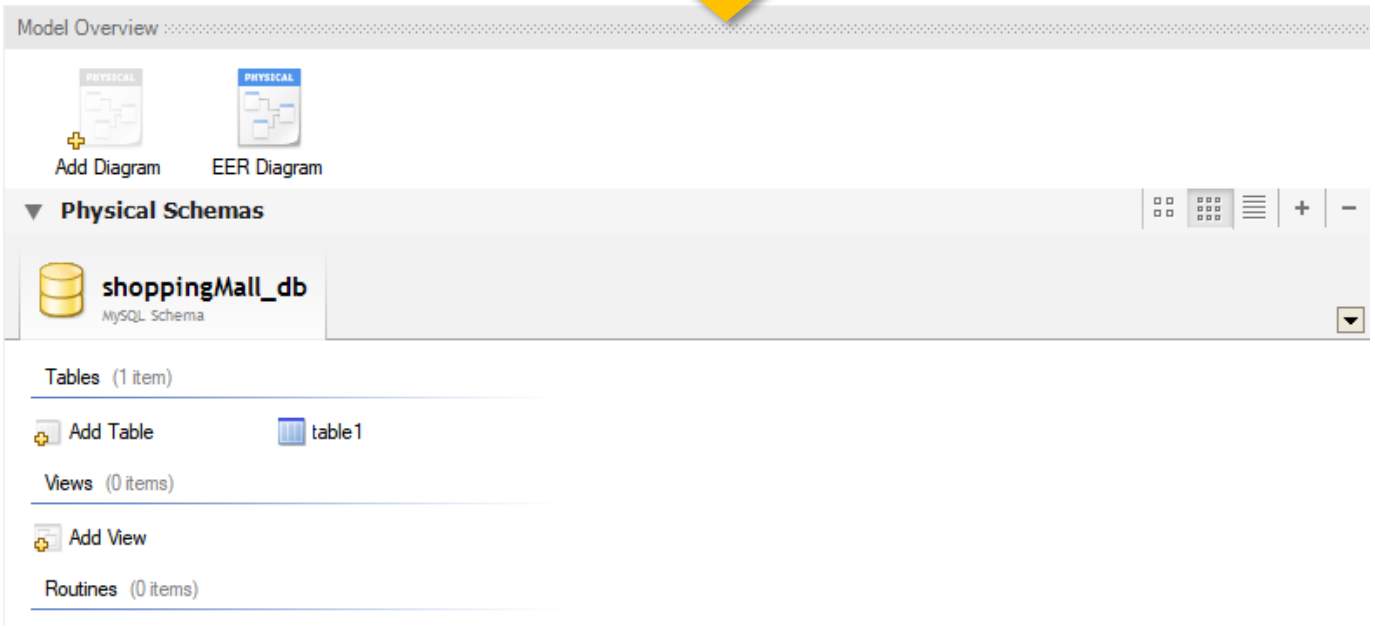


ERD 에서 사용할 DB 생성

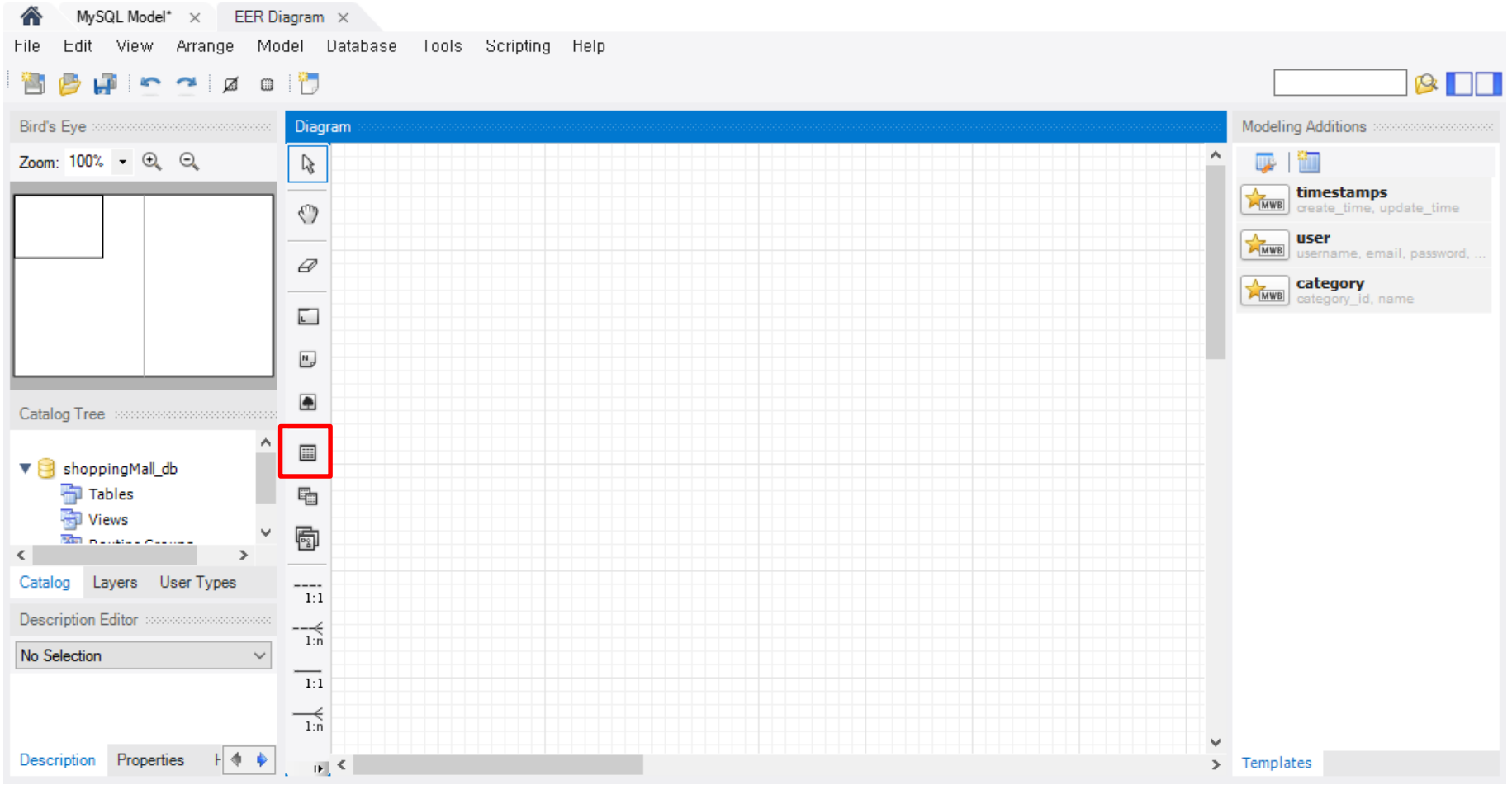


ERD 생성


Model Overview
Add Diagram
더블 클릭
Physical Schemas
shoppingMall_db
MySQL Schema
Tables (1 item)
Add Table
table1
Views (0 items)
Add View
Routines (0 items)


Model Overview
Add Diagram
EER Diagram
Physical Schemas
shoppingMall_db
MySQL Schema
Tables (1 item)
Add Table
table1
Views (0 items)
Add View
Routines (0 items)

ERD 테이블 생성


MySQL Model*
EER Diagram
File Edit View Arrange Model Database Tools Scripting Help
Bird's Eye
Zoom: 100%
Catalog Tree
shoppingMall_db
Tables
Views
Catalog Layers User Types
Description Editor
No Selection
Description Properties
Diagram
1:1
1:n
1:1
1:n
Modeling Additions
timestamps
create_time, update_time
user
username, email, password, ...
category
category_id, name
Templates

ERD 테이블 필드 생성

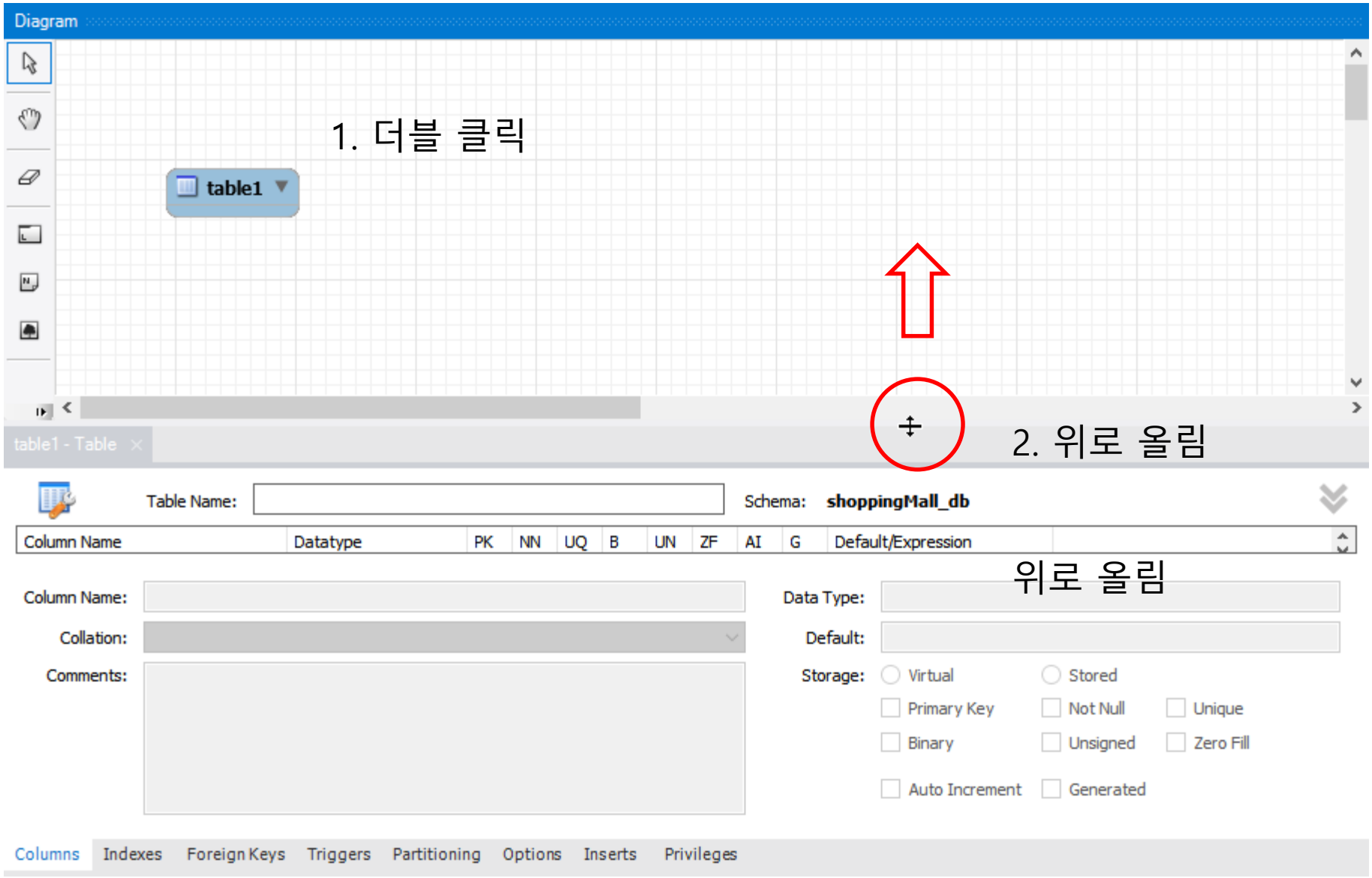


Diagram
1. 더블 클릭
table1
2. 위로 올림
table1 - Table
Table Name:
Schema: shoppingMall_db
Column Name
Datatype
PK
NN
UQ
B
UN
ZF
AI
G
Default/Expression
위로 올림
Column Name:
Collation:
Comments:
Data Type:
Default:
Storage:
Virtual
Stored
Primary Key
Not Null
Unique
Binary
Unsigned
Zero Fill
Auto Increment
Generated
Columns
Indexes
Foreign Keys
Triggers
Partitioning
Options
Inserts
Privileges

ERD 테이블 필드 생성

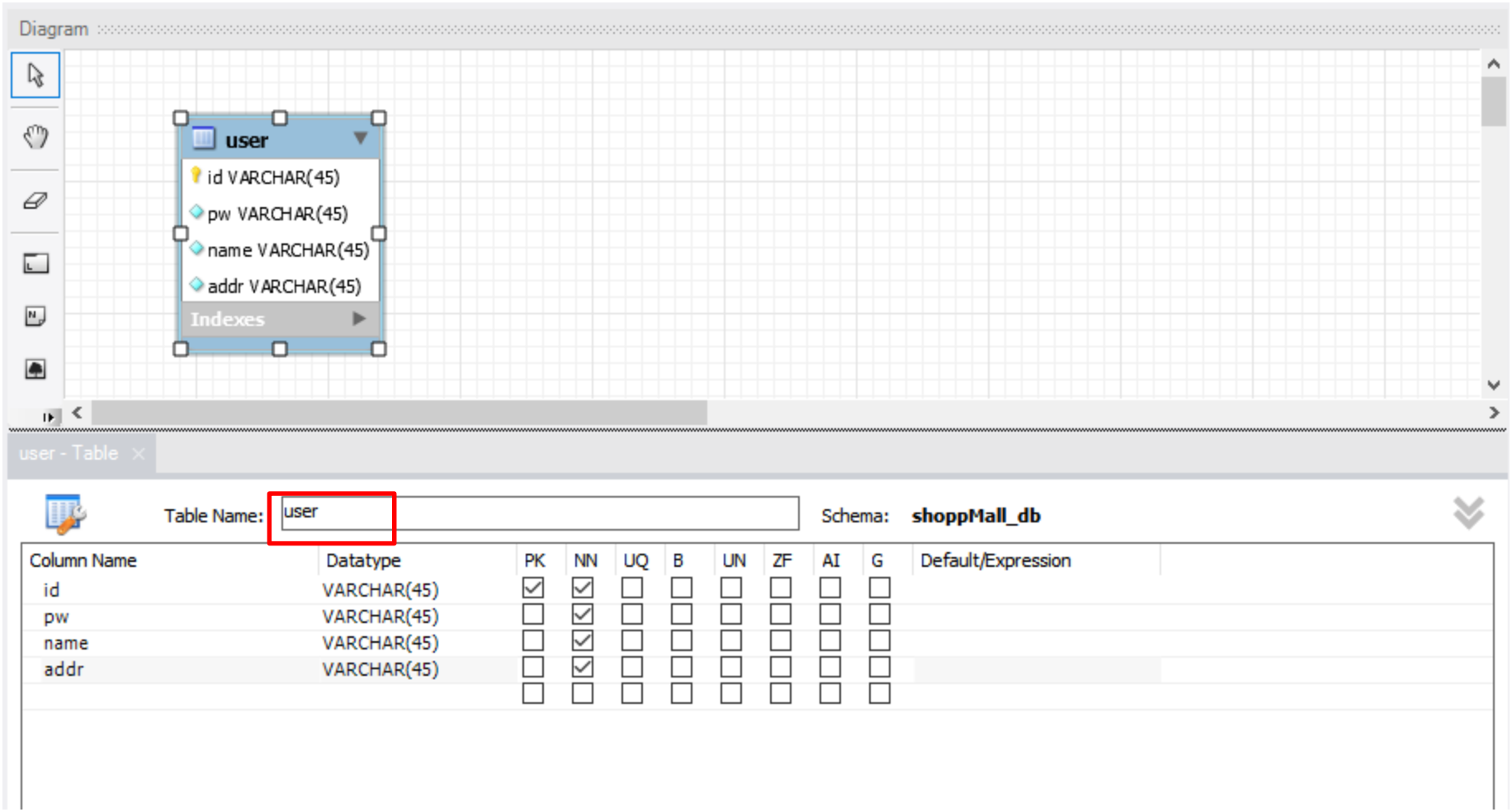
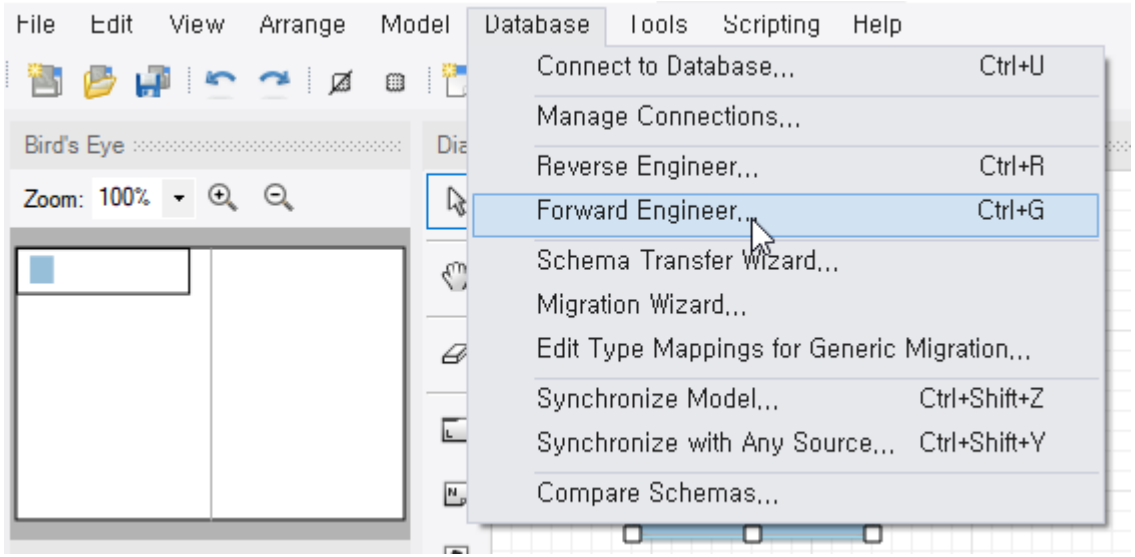
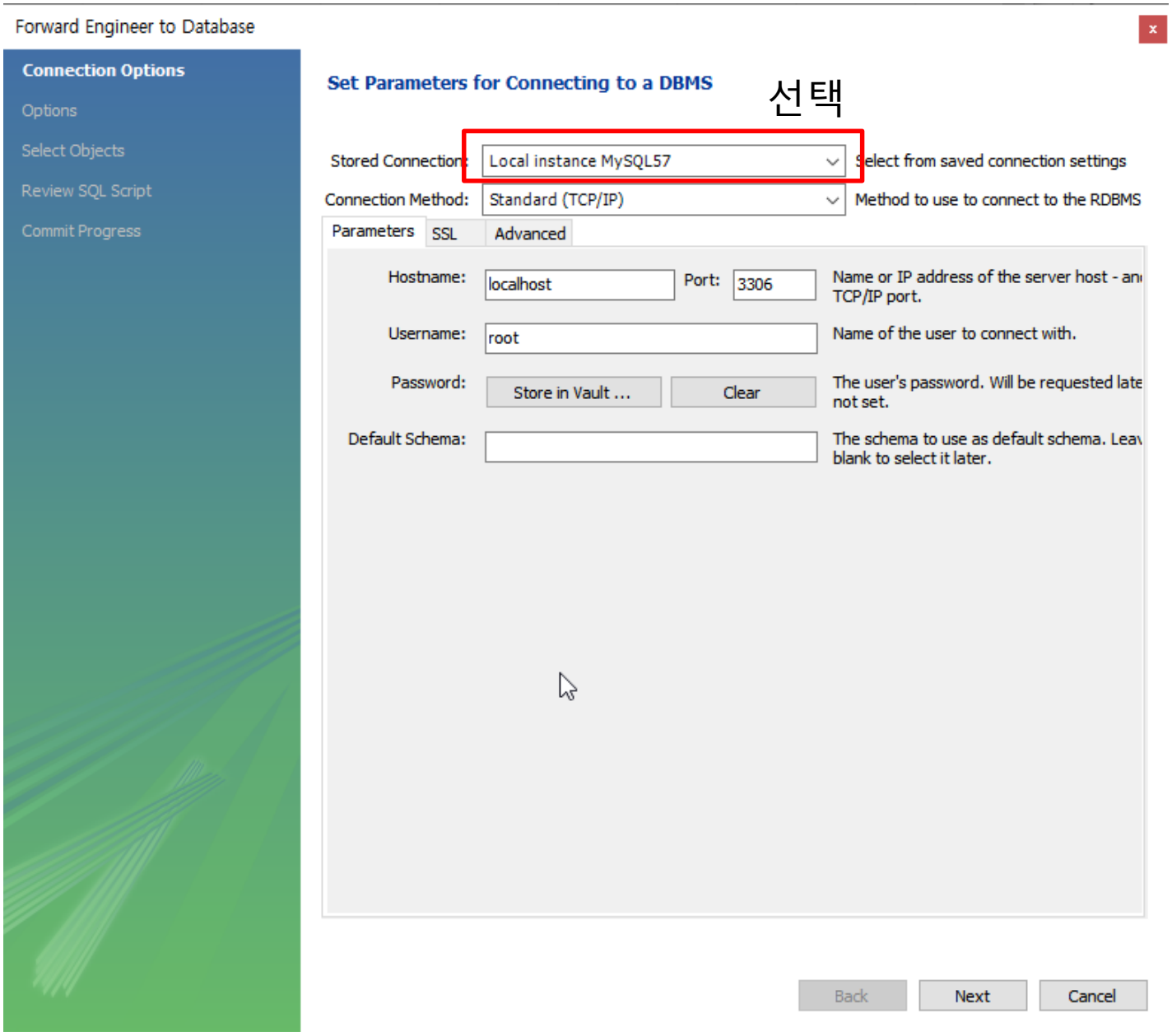


Diagram
user
id VARCHAR(45)
pw VARCHAR(45)
name VARCHAR(45)
addr VARCHAR(45)
Indexes
user - Table
Table Name: user
Schema: shoppMall_db
Column Name
Datatype
PK
NN
UQ
B
UN
ZF
AI
G
Default/Expression
id VARCHAR(45)
pw VARCHAR(45)
name VARCHAR(45)
addr VARCHAR(45)

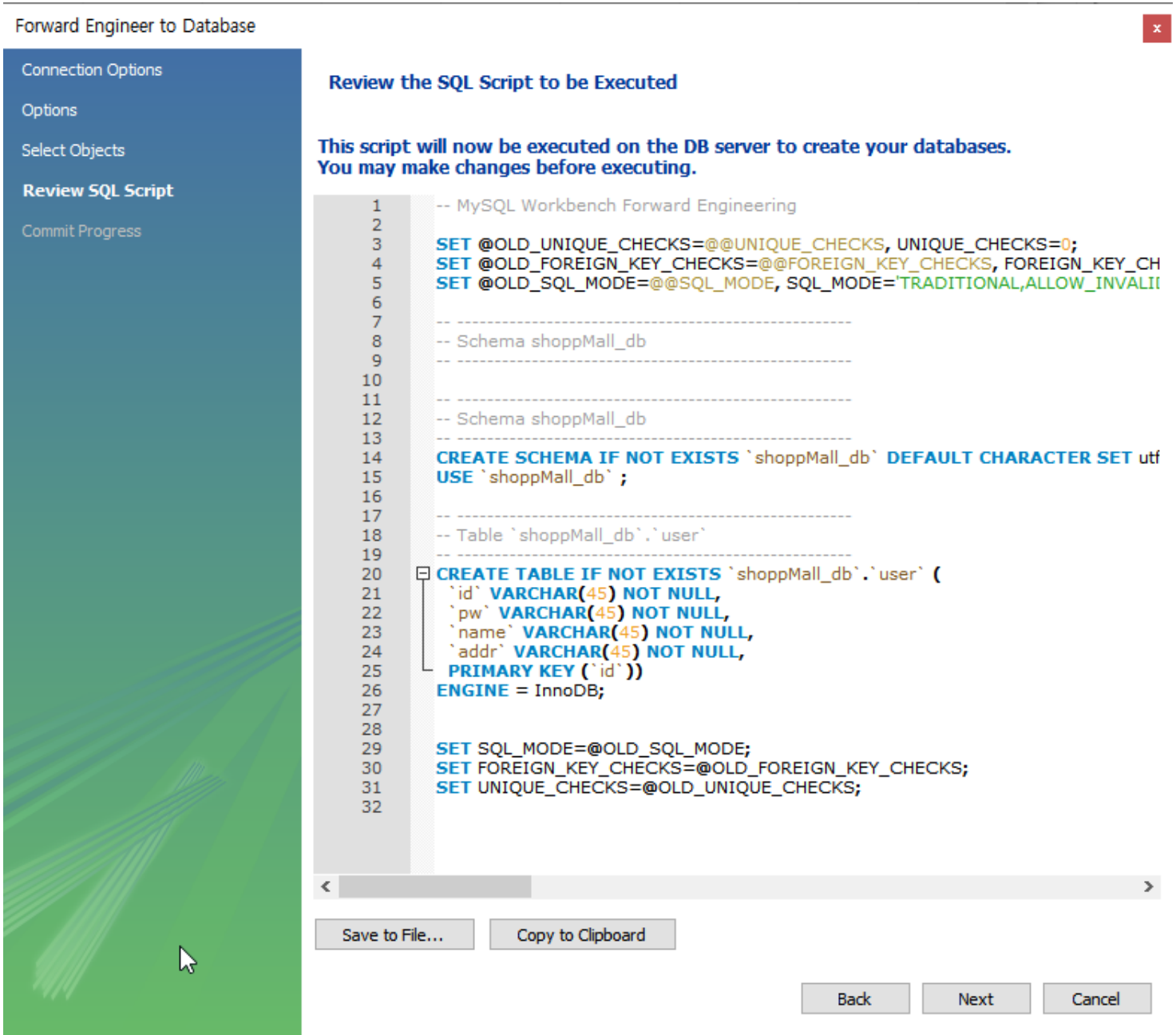
ERD 로 SQL문 생성하기



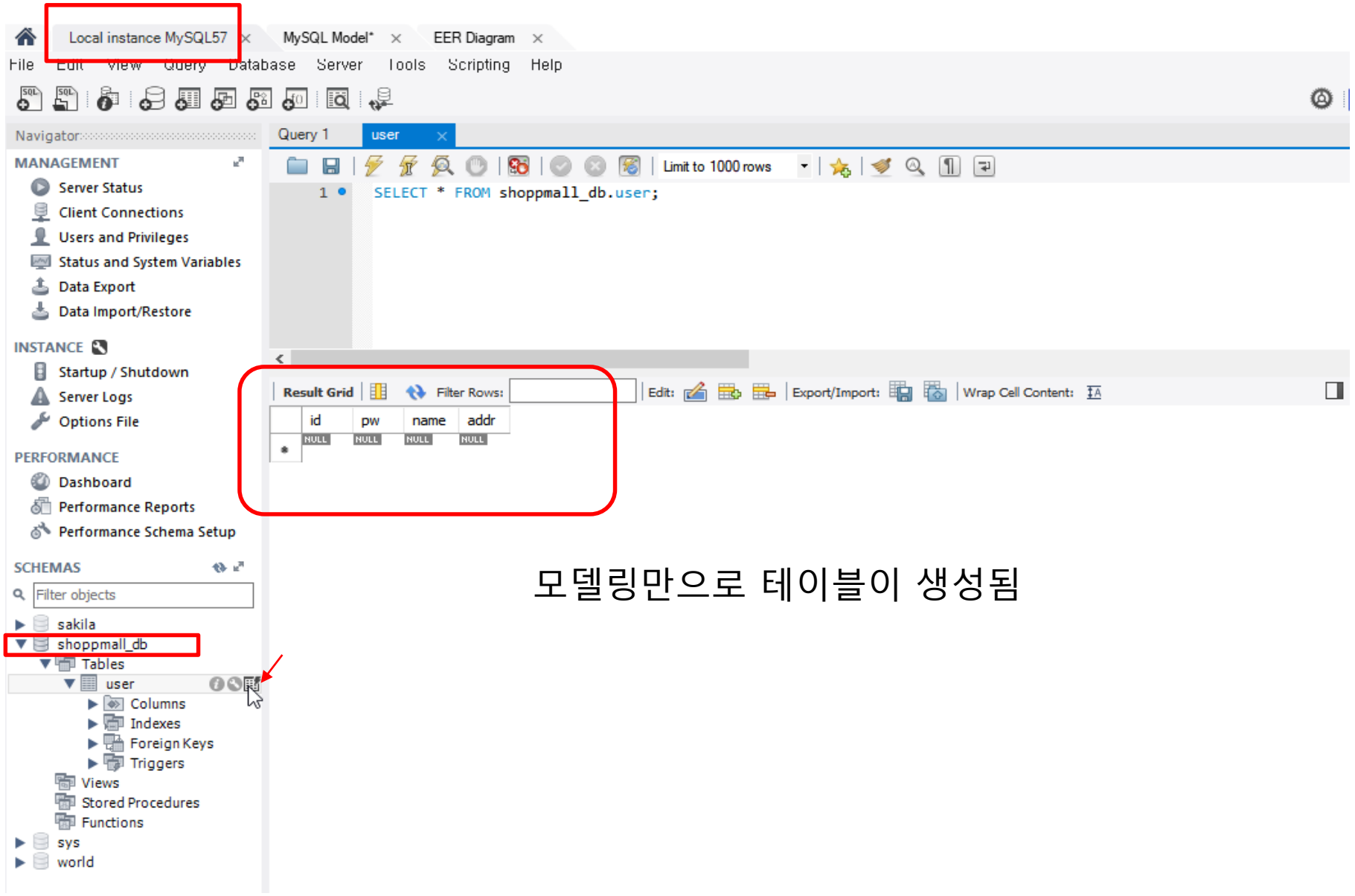
ERD 로 SQL문 생성하기



ERD 로 SQL문 생성하기



ERD 로 SQL문 생성하기



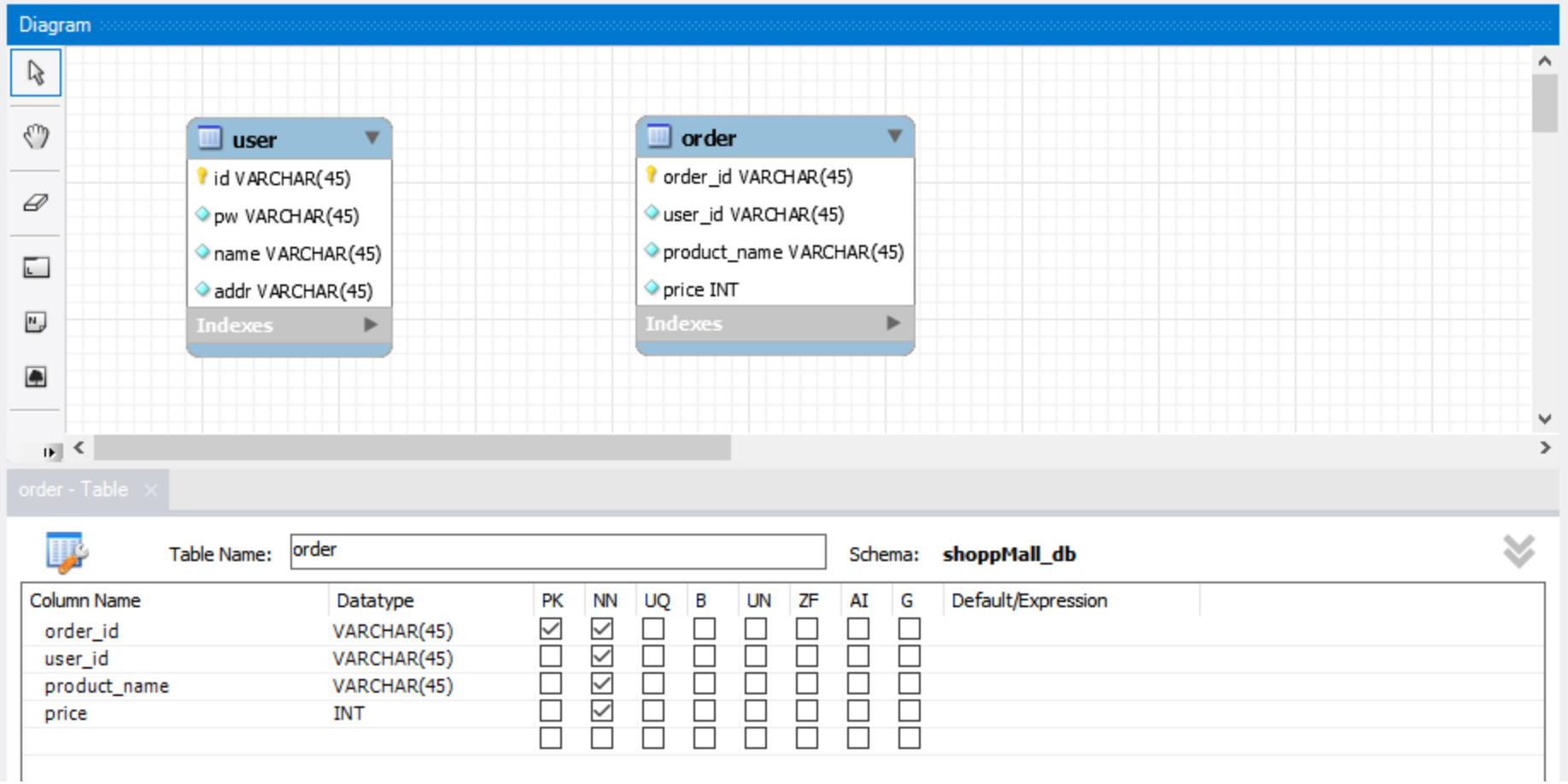
모델링만으로 테이블이 생성됨

Foreigh key 생성하기

- Pk : 하나의 테이블에서 중복이 없는 레코드를 식별하는 유일한 값
- Fk : 다른 테이블의 pk를 참고한 값
- 실선 pk
- 점선 fk

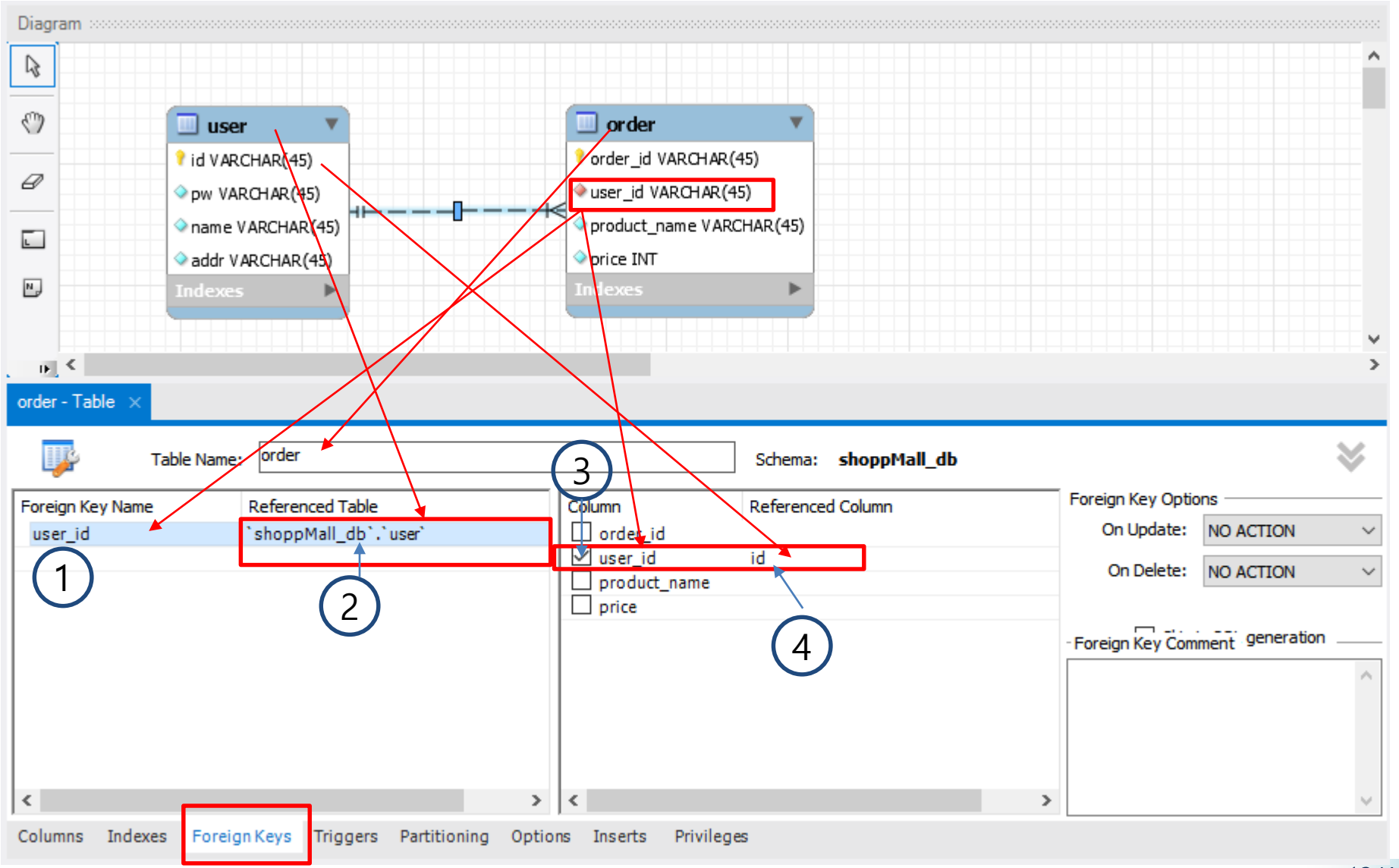
Foreigh key 생성하기

- **Order 테이블 추가**



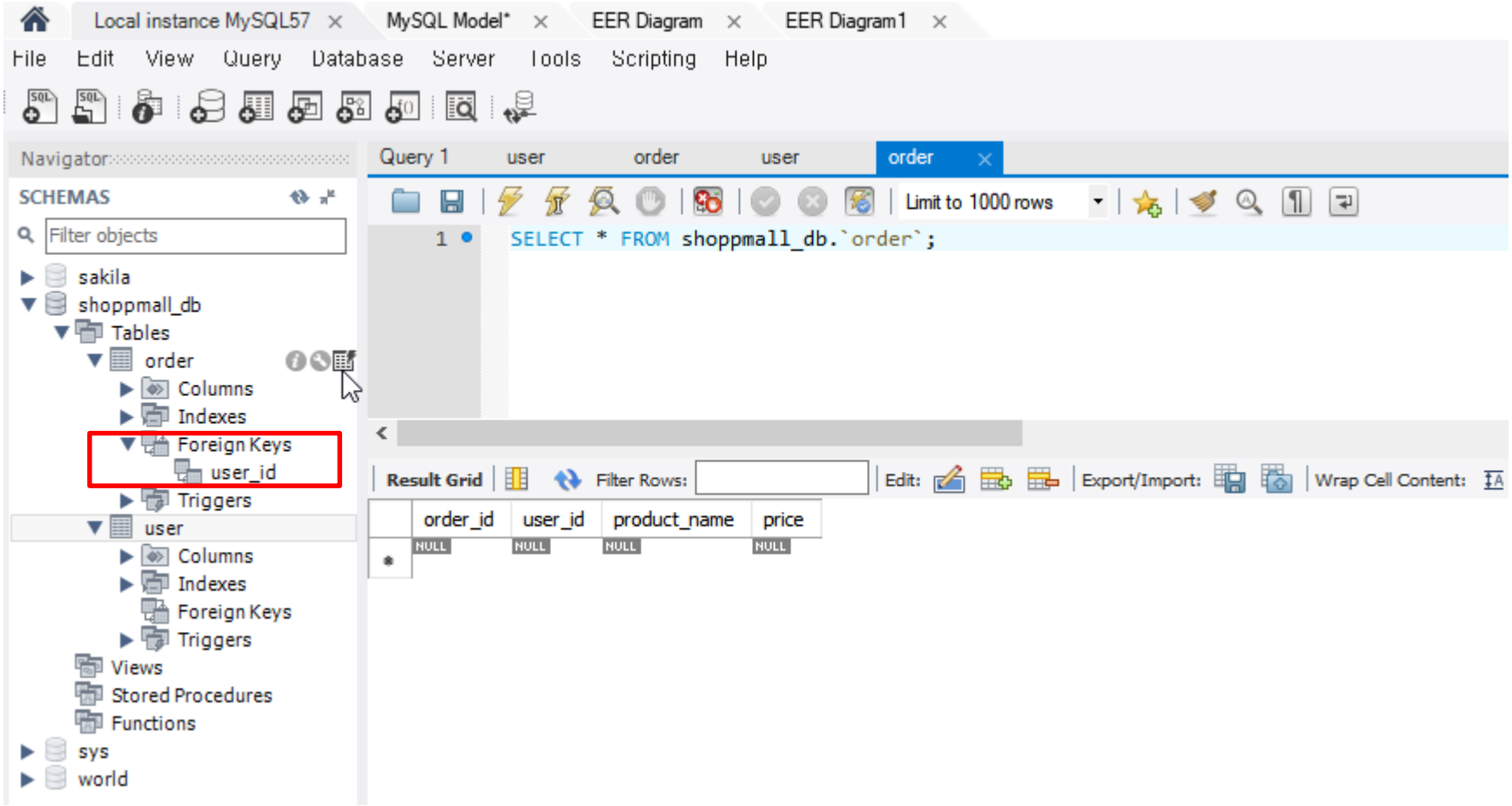
Foreigh key 생성하기

- **Foreign key 지정**



Foreigh key 생성하기

- 결과 확인



실습

- **다음과 같은 테이블을 설계후 SQL문을 생성하세요**
  - db name : warehouse

테이블 네임

Manufacturer	
id(pk)	INT
name	VARCHAR(45)
Contact	VARCHAR(45)

Product	
id(pk)	INT
Manufacturer_id(fk)	INT
name	VARCHAR(45)

실습

- **다음과 같은 테이블을 설계후 SQL문을 생성하세요**
  - db name : book_store

테이블 네임

book	
id(pk)	VARCHAR(45)
publisher	VARCHAR(45)
name	VARCHAR(45)
price	INT

order	
id(pk)	VARCHAR(45)
customer_id(fk)	VARCHAR(45)
book_id(fk)	VARCHAR(45)
total_amount	INT

customer	
id(pk)	VARCHAR(45)
pw	VARCHAR(45)
addr	VARCHAR(45)