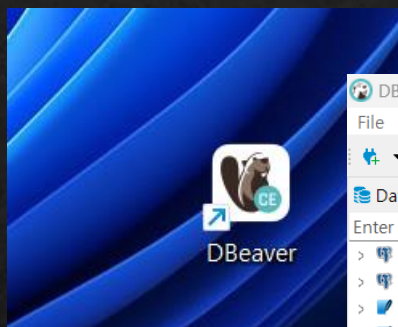




DBeaver

Python sqlites with DBeaver

DBeaver



DBeaver 23.3.0 - example.db

File Edit Navigate Search SQL Editor Database Navigator Projects

Enter a part of object name here

- > airflow - localhost:5431
- > ancestor9 - localhost:5432
- > DBeaver Sample Database (SQLite)
- > example.db
- > localhost - localhost:3306
- > localhost 2 - localhost:3306
- > localhost 3 - localhost:3306
- > localhost 4 - localhost:3306
- > localhost 5 - localhost:3306
- > todosapp.db

Project - General x

Name DataSource

- > Bookmarks
- > Diagrams
- > Scripts

Connect to a database

Select your database

Create new database connection. Find your database driver in the list below.

Sort by: ☐ Title ☒ Score

MariaDB	SQLite	PostgreSQL	MySQL	IBM DB2	ORACLE	SQL Server	Apache Calcite Avatica	Apache Kylin
Azure Databricks	Azure Databricks (FaaS)	Azure SQL Server	Babelfish via TDS (beta)	Cache	ClickHouse	ClickHouse (Legacy)	CockroachDB	CrateDB
CrateDB (Legacy)	CUBRID	Data Virtuality	IBM DB2	IBM DB2	Denodo 8	Derby Embedded	Derby Server	Dremio
DuckDB	EDB	Exasol	Firebird	Google Cloud Spanner	Google Cloud SQL - PostgreSQL	Greenplum	H2 Embedded	H2 Embedded V.2
H2 Server	H2GIS Embedded	H2GIS Server	HANA	HSQl Embedded	HSQl Server	Informix	Ingres	InterSystems IRIS
JDBCX	Jennifer	Kognitio	Materialize	SAP	Mimer SQL	MonetDB	MS Access (UCanAccess)	MySQL 5

실습하기



MySQL 도커 컨테이너 설치 후 DBeaver 연결하기

Local Host

DBeaver

(<https://dbeaver.io/download/>)



- Image pull
- Run ~ -p 3307:3306 mysql
- Connect MySQL via DBeaver
- CRUD

Docker

MySQL

(https://hub.docker.com/_/mysql)



MySQL 도커 컨테이너 설치(Run)

```
>> docker pull mysql
```

```
>> docker ps
```

```
>> docker images
```

```
>> docker run --name test_mysql -e MYSQL_ROOT_PASSWORD=1111 -d -p 3307:3306 mysql
```

```
>> docker ps
```

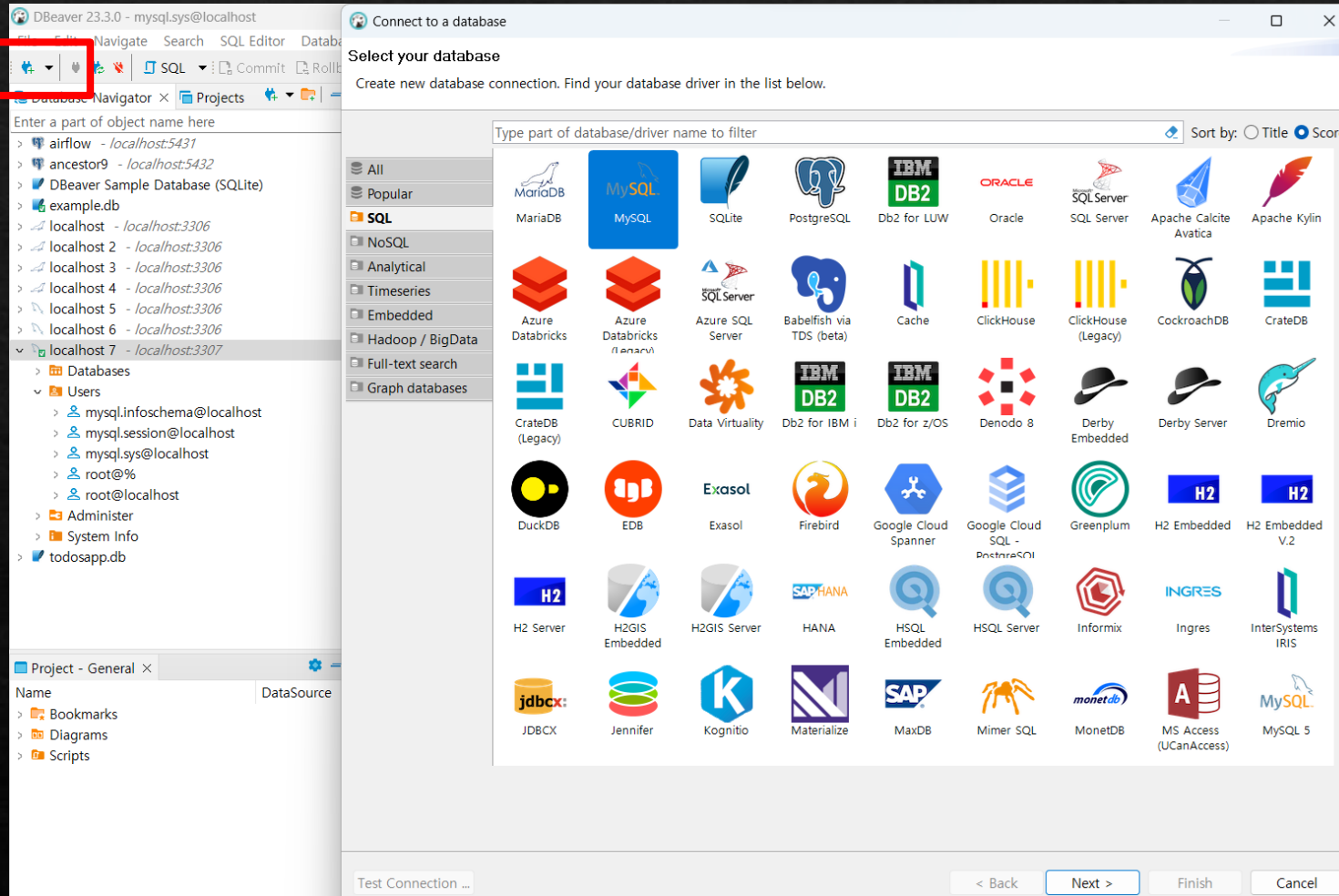
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
7ca8d808ff22	mysql	"docker-entrypoint.s..."	About a minute ago	Up About a minute	33060/tcp, 0.0.0.0:3307->3306/tcp, :::3307->3306/tcp

test_mysql



DBeaver로 MYSQL 연결하기

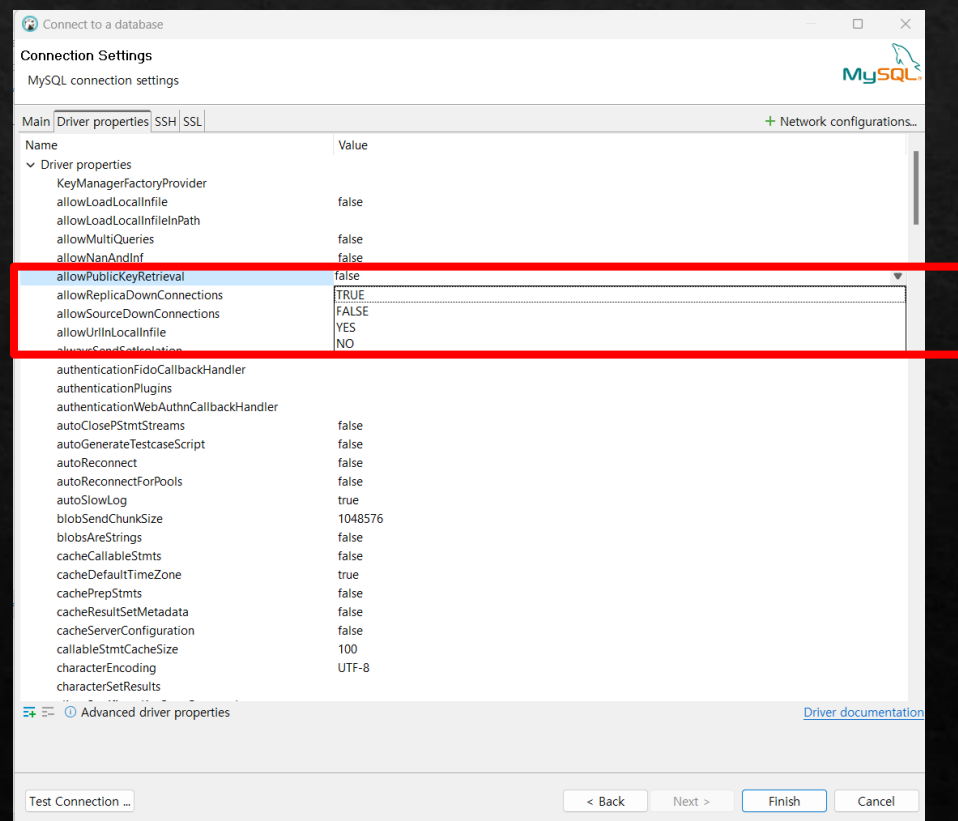
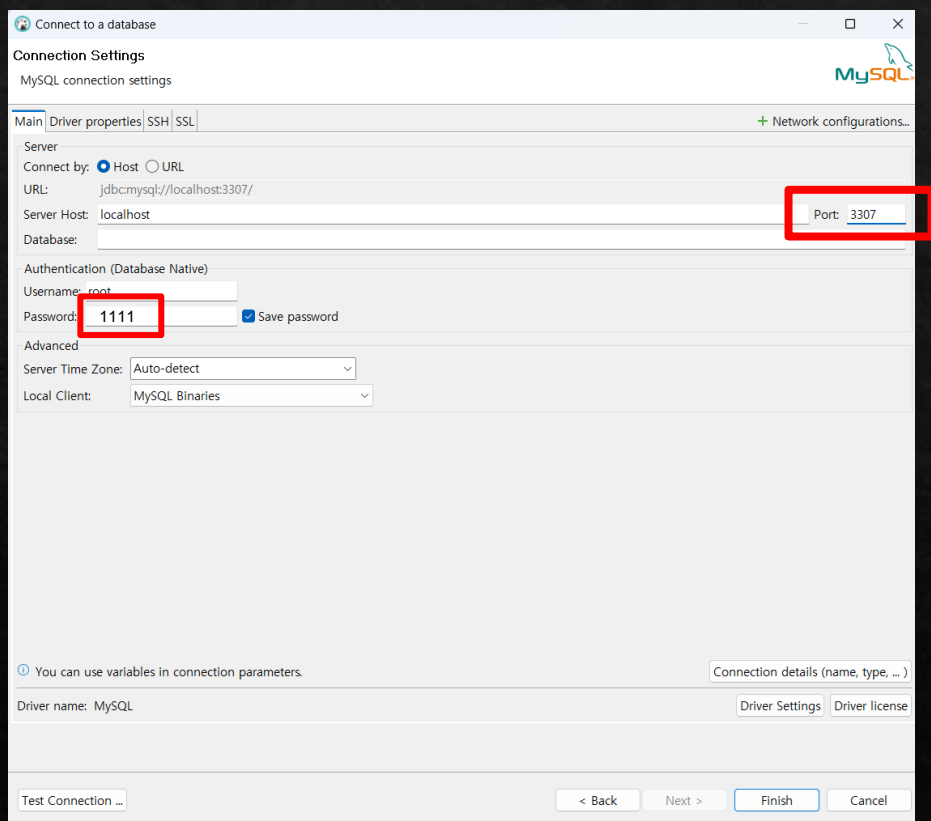
- ❖ 컨테이너 내부의 MySQL 서버에 할당된 3306번 포트를 컨테이너 외부(로컬 호스트)의 3307번 포트에 포트 포워딩 했으므로 로컬 호스트의 3307번 포트를 호스트 주소로 설정



❖ [참고자료 media.com](http://media.com)

DBeaver로 MYSQL 연결하기

- ❖ 컨테이너 내부의 MySQL 서버에 할당된 3306번 포트를 컨테이너 외부(로컬 호스트)의 3307번 포트에 포트 포워딩 했으므로 로컬 호스트의 3307번 포트를 호스트 주소로 설정
- ❖ MySQL 8.0 이상에서의 보안 설정값의 문제로 연결 구성 화면의 Driver properties 설정 창에서 allowPublicKeyRetrieval 값을 true 로 설정



DBeaver로 MYSQL 연결하기

❖ 내부 데이터 Schema 확인

The screenshot shows the DBeaver 23.3.0 interface. The Database Navigator on the left lists various databases and users. The 'localhost 7 - localhost:3307' entry is selected and highlighted with a red rectangle. The Properties panel on the right shows details for the selected connection, including ID, Name, Description, Origin, Connect Time, and Connect Type. Below the Properties panel, a table displays the internal database schema information.

	Schema Name	Default Charset	Default Collation	SQL Path	Database size
Databases					
sys		utf8mb4	utf8mb4_0900_ai_c		16K
Users					
Administer					
System Info					
Driver / ...					

과제



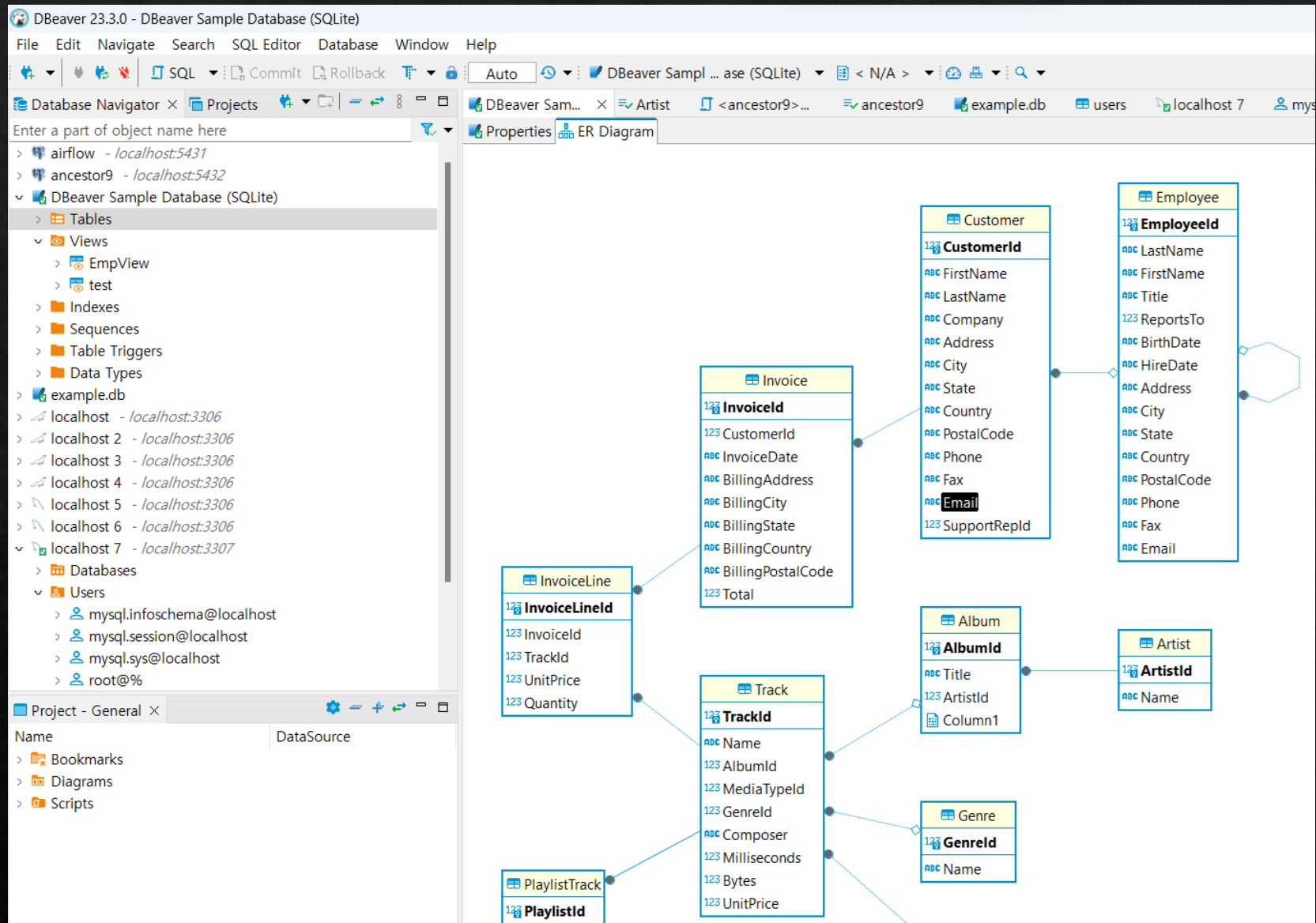
Chat GPT:



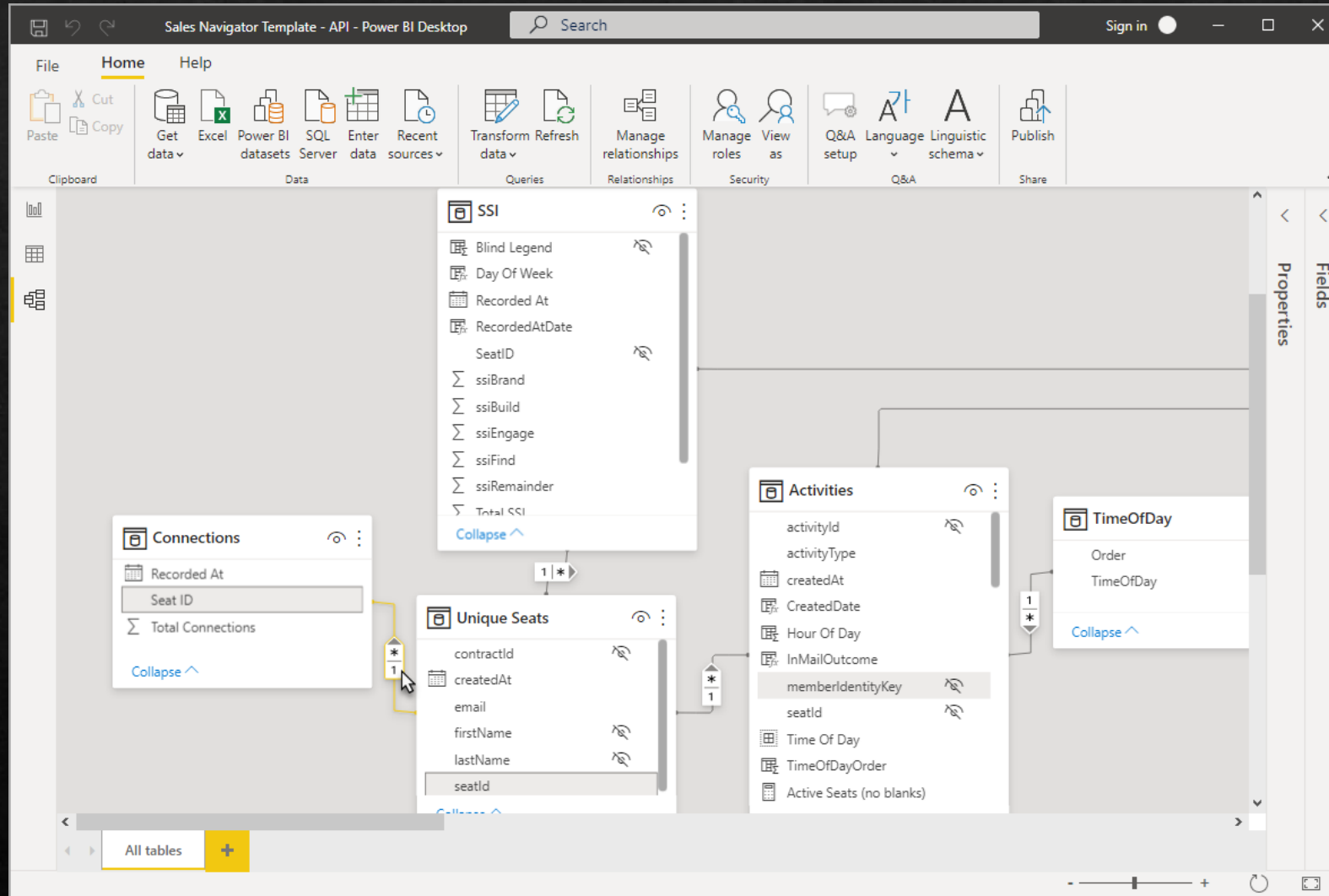
GitHub Copilot

- ❖ Co-lab or VScode
- ❖ python sqlite3
- ❖ Create DB
- ❖ Create table with 1,000 simulation data into Table using Fake
- ❖ Download DB into local PC
- ❖ Finally Connect vis DBeaver
- ❖ CRUD data on DBeaver

Digress: DBeaver로 ERD



Digress: Power BI



<https://learn.microsoft.com/ko-kr/power-bi/transform-model/desktop-relationship-view>

실습하기



Postgres 도커 컨테이너 설치 후 DBeaver 연결하기

Local Host

DBeaver


(<https://dbeaver.io/download/>)



dockerhub Explore Repositories Organizations

postgres

Explore / Official Images / postgres

 **postgres** Docker Official Image · 1B+ · 10K+
The PostgreSQL object-relational database system provides reliability and data integrity.

docker pull postgres Copy

Overview Tags

Note: the description for this image is longer than the Hub length limit of 25000, so has been trimmed. The full description can be found at <https://github.com/docker-library/docs/tree/master/postgres/README.md>. See also [docker/hub-feedback#238](#) and [docker/roadmap#475](#).

Quick reference

Recent Tags

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12.18-bookworm 12.18 12-bullseye 12-bookworm
12 14.11-bullseye 14.11-bookworm

Postgres 도커 컨테이너 설치(Run)

```
>> docker pull postgres
```

```
>> docker run --name some-postgres -e POSTGRES_PASSWORD=1111 -p 5432:5432 -d postgres
```

```
>> docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
7c6c06222785	postgres	"docker-entrypoint.s..."	5 minutes ago	Up 5 minutes	0.0.0.0:5432->5432/tcp, :::5432->5432/tcp	some-postgres

