



Exercise



☐ Install MySQL

- ☐ MySQL installer, and MySQL workbench
- ☐ Site: <https://dev.mysql.com/downloads/installer/>
- ☐ Version: Community ver. (free)

☐ See the attached pdf file in detail

☐ Try to create a database named DB

☐ Try to create a table named department in DB

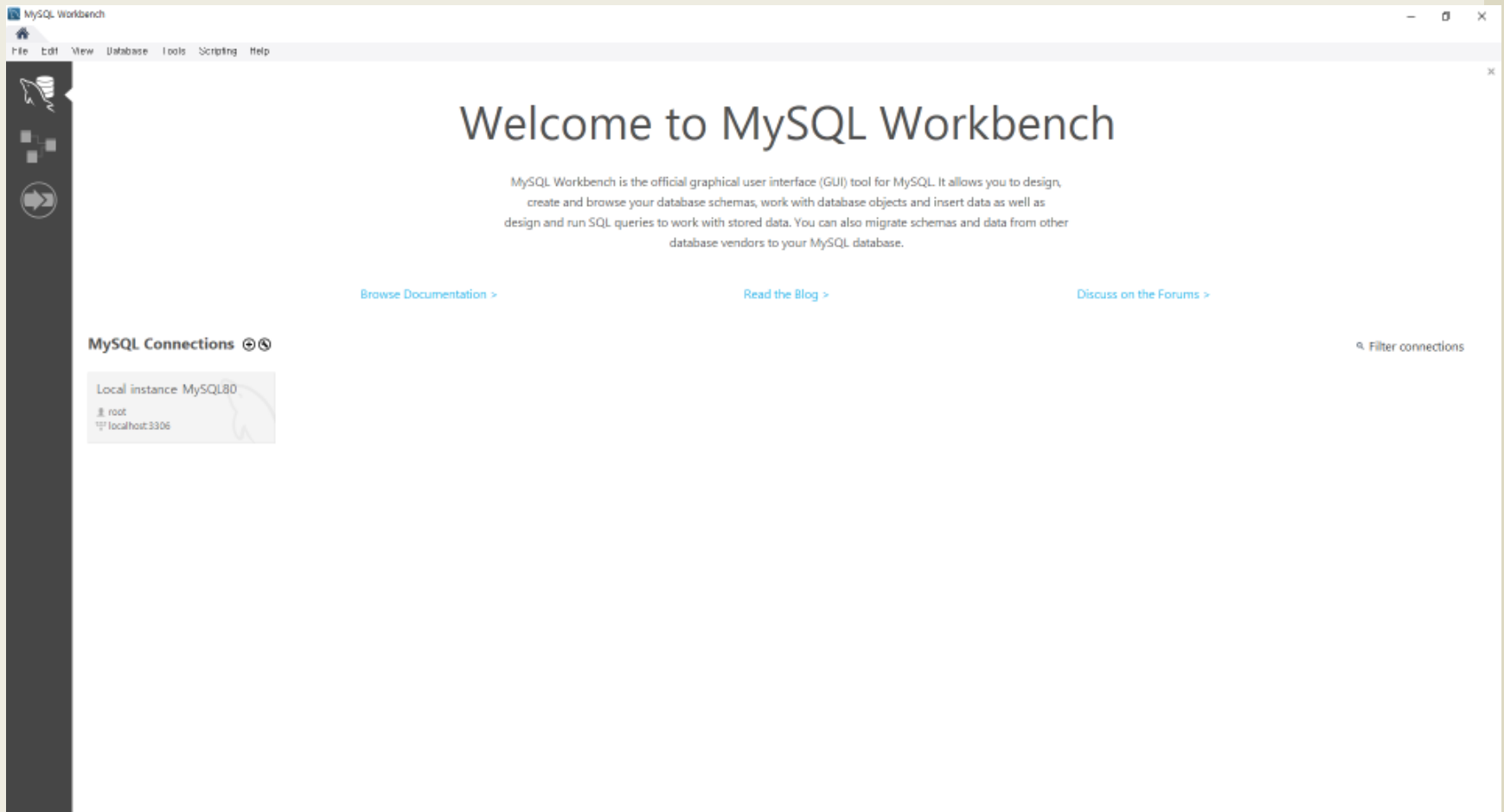
- ☐ Column 1 : dept_name → char 20
- ☐ Column 2 : building → char 15
- ☐ Column 3 : budget → numeric 12,2



Let's be familiar with MySQL



Run MySQL Workbench 8.0 CE





Click MySQL Connections ➔ Login with pwd 12345

The screenshot shows the MySQL Workbench application window. The title bar reads 'MySQL Workbench'. The menu bar includes 'File', 'Edit', 'View', 'Database', 'Tools', 'Scripting', and 'Help'. The main area displays a 'Welcome to MySQL Workbench' message, stating that it is the official graphical user interface (GUI) tool for MySQL, allowing users to design, create and browse database schemas, work with database objects, and insert data. It also mentions that users can design and run SQL queries to work with stored data and migrate schemas and data from other database vendors to their MySQL database. Below this message are links for 'Browse Documentation >' and 'Discuss on the Forums >'. On the left sidebar, under 'MySQL Connections', there is a list of connections: 'Local instance MySQL80' and 'root@localhost:3306'. A 'Filter connections' search bar is visible on the right. A 'Connect to MySQL Server' dialog box is open in the center, prompting the user to enter a password for the service 'MySQL@localhost:3306' using the user 'root'. The dialog box includes a 'Password' input field, a 'Save password in vault' checkbox, and 'OK' and 'Cancel' buttons.



2. Click Execute

Query 1 x

Limit to 1000 rows

```
1 • show databases;
2 • create database DB;
3 • use DB;
4 • CREATE TABLE department(
5     dept_name    char(20) ,
6     building     char(15) ,
7     budget       numeric(12,2)
8 );
9
10 • show tables;
11 • desc department;
```

1. Write SQL DDL statement



MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

db

- Tables
 - department
 - Columns
 - dept_name
 - building
 - budget
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- sakila
- sys
- world

4. Click Refresh

```
1 • show databases;
2 • create database DB;
3 • use DB;
4 • CREATE TABLE department(
5     dept_name char(20) ,
6     building char(15) ,
7     budget numeric(12,2)
8 );
9
10 • show tables;
11 • desc department;
12
13
14
```

3. You can check the result

Result Grid

	Field	Type	Null	Key	Default	Extra
▶	dept_name	char(20)	YES		NULL	
	building	char(15)	YES		NULL	
	budget	decimal(12,2)	YES		NULL	