https://dev.mysql.com/downloads/workbench/

Setup New Connection

Connection Name:	week_1_assignment	Type a name for the connection
Connection Method:	Standard (TCP/IP)	Method to use to connect to the RDBMS

Parameters SSL Advanced

Hostname:	127.0.0.1	Port:	3306	Name or IP address of the server host - and TCP/IP port.
Username:	root			Name of the user to connect with.
Password:	Store in Vault ... Clear			The user's password. Will be requested later if it's not set.
Default Schema:				The schema to use as default schema. Leave blank to select it later.

Configure Server Management...   Test Connection   Cancel   OK

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Parameters SSL Advanced

MySQL Workbench

⚠️ **Connection Warning**

Incompatible/nonstandard server version or connection protocol detected (10.4.32).

A connection to this database can be established but some MySQL Workbench features may not work properly since the database is not fully compatible with the supported versions of MySQL.

MySQL Workbench is developed and tested for MySQL Server versions 5.6, 5.7 and 8.0
Please note: there may be some incompatibilities with version 8.4.

Continue Anyway   Cancel

Configure Server Management...   Test Connection   Cancel   OK

Navigator

SCHEMAS

Filter objects

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▶ ctm
▶ ctm2
▶ phpmyadmin
▶ project
▶ quiz-2
▶ quizapp
▶ sonarqube
▼ studentdb
    Tables
    Views
    Stored Procedures
    Functions
▶ temp
▶ user_auth_db

CREATE SCHEMA `studentdb` ;

```sql
/*
1.  Create tables:
    o    Students (student_id, name, age, gender, course_id)
    o    Courses (course_id, course_name, duration)
    o    Marks (mark_id, student_id, subject, score)
*/

CREATE TABLE Courses (
    course_id INT PRIMARY KEY,
    course_name VARCHAR(20),
    duration INT
);

CREATE TABLE Students (
    student_id INT PRIMARY KEY,
    name VARCHAR(50),
    age INT,
    gender VARCHAR(10),
    course_id INT,
    FOREIGN KEY (course_id) REFERENCES Courses(course_id)
);

CREATE TABLE Marks (
    mark_id INT PRIMARY KEY,
    student_id INT,
    subject VARCHAR(20),
    score INT,
    FOREIGN KEY (student_id) REFERENCES Students(student_id)
);
```

```sql
 1   /*
 2    1.  Create tables:
 3        o    Students (student_id, name, age, gender, course_id)
 4        o    Courses (course_id, course_name, duration)
 5        o    Marks (mark_id, student_id, subject, score)
 6   */
 7   USE studentdb;
 8
 9   CREATE TABLE Courses (
10       course_id INT PRIMARY KEY,
11       course_name VARCHAR(20),
12       duration INT
13   );
14
15   CREATE TABLE Students (
16       student_id INT PRIMARY KEY,
17       name VARCHAR(50),
18       age INT,
19       gender VARCHAR(10),
```

```sql
 1   /*
 2    2.  Modify Students table to add a new column email.
 3    3.  Drop the Marks table and recreate it with the same structure.
 4   */
 5
 6   -- 2.
 7   ALTER TABLE Students
 8   ADD COLUMN email VARCHAR(50);
 9
10   -- 3.
11   DROP TABLE Marks;
12
13   CREATE TABLE Marks (
14       mark_id INT PRIMARY KEY,
15       student_id INT,
16       subject VARCHAR(20),
17       score INT,
18       FOREIGN KEY (student_id) REFERENCES Students(student_id)
19   );
```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	00:05:41	SELECT studentdb LIMIT 0, 1000	Error Code: 1054. Unknown column 'studentdb' in 'field list'	0.000 sec
4	00:06:29	USE studentdb	0 row(s) affected	0.000 sec
5	00:06:29	CREATE TABLE Courses (course_id INT PRIMARY KEY, course_name VARCHAR(20), duration INT)	0 row(s) affected	0.016 sec
6	00:06:29	CREATE TABLE Students (student_id INT PRIMARY KEY, name VARCHAR(50), age INT, gender V...	0 row(s) affected	0.032 sec
7	00:06:29	CREATE TABLE Marks (mark_id INT PRIMARY KEY, student_id INT, subject VARCHAR(20), score ...	0 row(s) affected	0.047 sec
8	00:09:25	ALTER TABLE Students ADD COLUMN email VARCHAR(50)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.016 sec
9	00:09:25	DROP TABLE Marks	0 row(s) affected	0.015 sec
10	00:09:25	CREATE TABLE Marks (mark_id INT PRIMARY KEY, student_id INT, subject VARCHAR(20), score ...	0 row(s) affected	0.032 sec