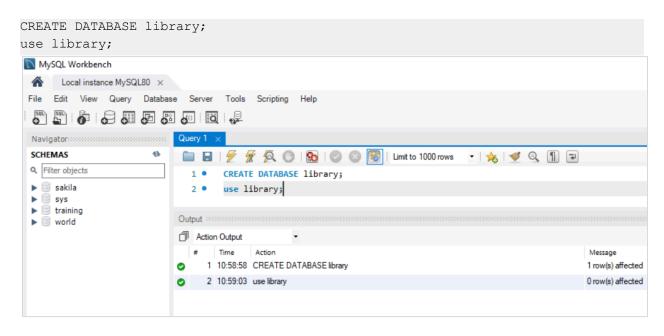
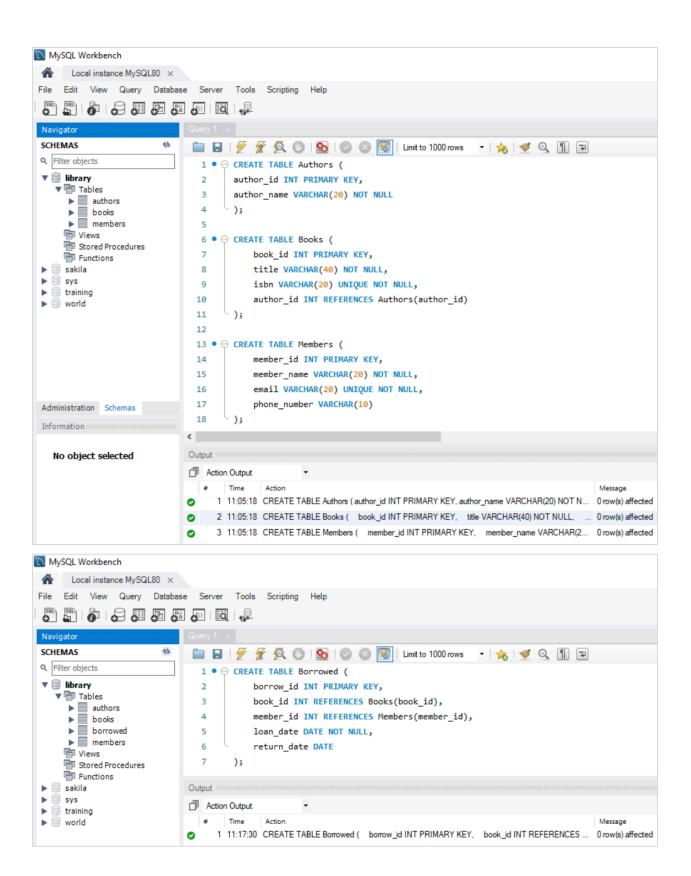
Assignment 4: Write SQL statements to CREATE a new database and tables that reflect the library schema you designed earlier. Use ALTER statements to modify the table structures and DROP statements to remove a redundant table.



```
CREATE TABLE Authors (
author id INT PRIMARY KEY,
author name VARCHAR(20) NOT NULL
);
CREATE TABLE Books (
     book id INT PRIMARY KEY,
      title VARCHAR(40) NOT NULL,
      isbn VARCHAR(20) UNIQUE NOT NULL,
      author id INT REFERENCES Authors (author id)
);
CREATE TABLE Members (
      member id INT PRIMARY KEY,
      member name VARCHAR(20) NOT NULL,
      email VARCHAR(20) UNIQUE NOT NULL,
      phone number VARCHAR(10)
);
CREATE TABLE Borrowed (
      borrow id INT PRIMARY KEY,
      book id INT REFERENCES Books (book id),
      member id INT REFERENCES Members (member id),
     loan date DATE NOT NULL ,
     return date DATE
);
```



ALTER TABLE Books ADD COLUMN edition INT; MySQL Workbench ★ Local instance MySQL80 × File Edit View Query Database Server Tools Scripting Help Query 1 × Navigator SCHEMAS 🚞 🖥 | 🏏 💯 👰 🔘 | 🚱 | 📀 🔞 📳 | Limit to 1000 rows 🔻 | 🌟 | 🥩 🔍 🗻 Q Filter objects 1 • ALTER TABLE Books ADD COLUMN edition INT; ▼ 🗐 library ▼ 🛅 Tables Output ::: ■ authors Action Output ▼ ■ books # Time Action ▼ 🐼 Columns Message book id 1 11:19:59 ALTER TABLE Books ADD COLUMN edition INT 0 row(s) affected I title isbn author_id edition

