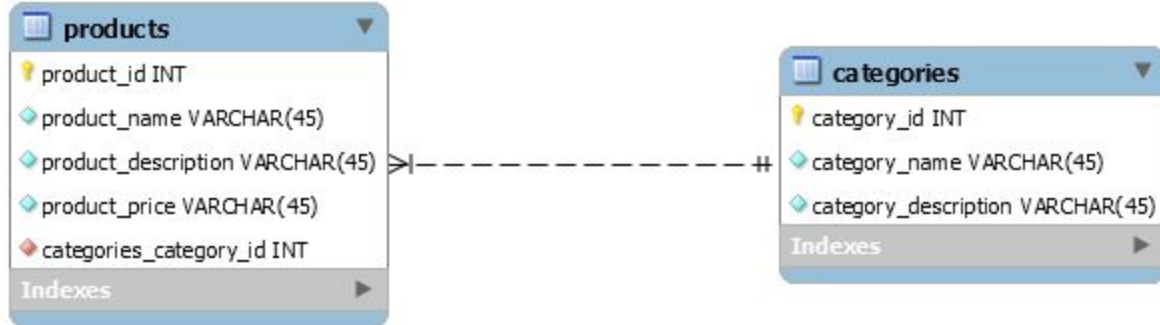


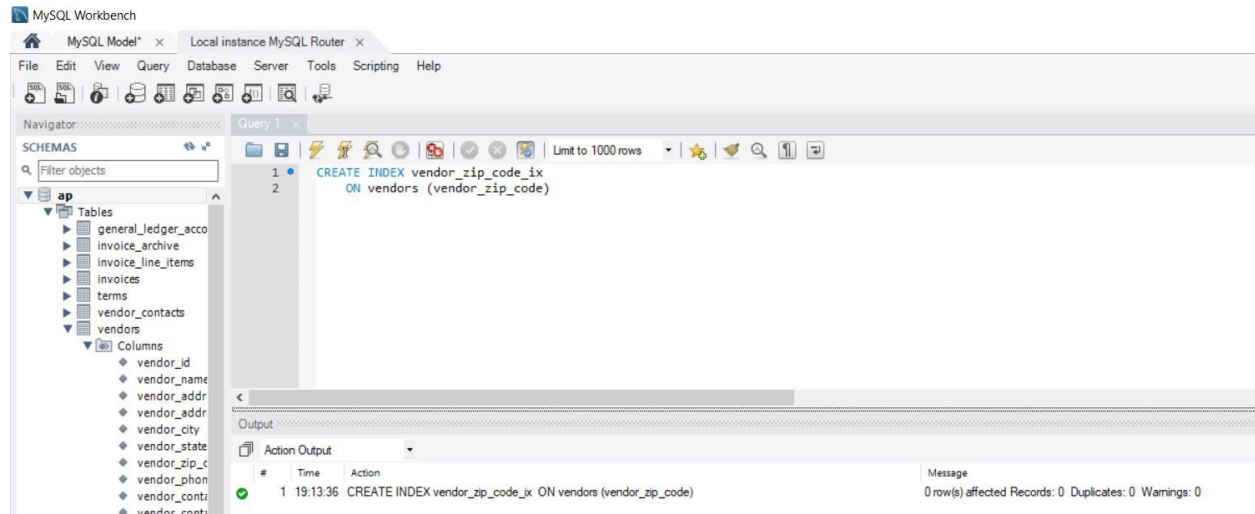
Chapter 10, Exercise 1:

1. Use MySQL Workbench to create an EER diagram for a database that stores information about products.
 - Each product must have a product name, description, and price.
 - Each product must belong to one category.
 - Each category must have a category name and description.
 - Each category can include multiple products.
 - i. PRODUCTS
 1. Product name
 2. Description
 3. Price
 4. Each product only can be in ONE category
 - ii. CATEGORIES
 1. Category name
 2. Description
 3. Multiple products can belong to one category
 - **Once you have created your EER diagram using the MySQL Workbench, export the diagram as a PDF and submit for grading. Upload this and the chapter 11 assignment at the same time.**



Chapter 11, Exercises 1 & 2:

1. Write a script that adds an index to the AP database for the zip code field in the Vendors table.



2. Write a script that contains the CREATE TABLE statements needed to implement the following design in the EX database:
 - o [diagram shown in book]
 - o These tables provide for members of an association, and each member can be registered in one or more groups within the association.
 - o The member_id and group_id columns are the primary keys of the Members and Groups tables, and these columns are foreign keys in the Members_Groups table.
 - o Include any constraints or default values that you think are necessary.
 - o Include statements to drop the tables if they already exist.

[SEE NEXT PAGE FOR SCREENSHOT]

MySQL Workbench

MySQL Model* x Local instance MySQL Router x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

ap

ex

Tables

- active_invoices
- color_sample
- customers
- date_sample
- departments
- employees
- float_sample
- groups
- members_groups
- members
- null_sample
- paid_invoices
- projects
- string_sample

Views

Stored Procedures

Functions

geerling_db

my_guitar_shop

sakila

sys

world

Query 1 SQL File 3* SQL File 4*

Limit to 1000 rows

```
1 DROP TABLE ex.members;
2 DROP TABLE ex.groups;
3 DROP TABLE ex.members_groups;
4
5 CREATE TABLE ex.members
6 (
7     member_id INT PRIMARY KEY AUTO_INCREMENT,
8     first_name VARCHAR(50) NOT NULL,
9     last_name VARCHAR(50) NOT NULL,
10    address VARCHAR(50),
11    city VARCHAR(50),
12    state VARCHAR(2),
13    phone INT(10)
14 );
15
16 CREATE TABLE ex.groups
17 (
18     group_id INT PRIMARY KEY AUTO_INCREMENT,
19     group_name VARCHAR(50) NOT NULL
20 );
21
22 CREATE TABLE ex.members_groups
23 (
24     member_id INT,
25     group_id INT
26 )
27
```

Administration Schemas

Information

No object selected

Object Info Session

Output

Action Output

#	Time	Action	Message
53	20:58:50	CREATE TABLE ex.groups (group_id INT PRIMARY KEY AUTO_INCREMENT, group_name VARCHAR(50) N...	0 row(s) affected
54	20:58:51	CREATE TABLE ex.members_groups (member_id INT, group_id INT)	0 row(s) affected