

```
1  mysql> SOURCE C:\ISTE230\HW\HW04\HW04_Script.sql
2  -----
3  -- Lynch, Connor
4  -----
5
6  Query OK, 0 rows affected (0.00 sec)
7
8  -----
9  -- ISTE230, Fall 2024
10 -----
11
12 Query OK, 0 rows affected (0.00 sec)
13
14 -----
15 DROP DATABASE IF EXISTS MUSIC
16 -----
17
18 Query OK, 6 rows affected (0.09 sec)
19
20 -----
21 CREATE DATABASE MUSIC
22 -----
23
24 Query OK, 1 row affected (0.00 sec)
25
26 Database changed
27 -----
28 CREATE TABLE Producers(
29     Producer      varchar(30) PRIMARY KEY,
30     ProducerURL    varchar(30)
31 ) ENGINE=InnoDB DEFAULT CHARSET=utf8
32 -----
33
34 Query OK, 0 rows affected, 1 warning (0.02 sec)
35
36 -----
37
38 INSERT INTO Producers
39     VALUES('GOOD', 'good-music.com')
40 -----
41
42 Query OK, 1 row affected (0.00 sec)
43
44 -----
```

```
45  INSERT INTO Producers
46      VALUES('Fueled by Ramen', 'fueledbyramen.com')
47  -----
48
49  Query OK, 1 row affected (0.00 sec)
50
51  -----
52  INSERT INTO Producers
53      VALUES('Elektra', 'elektra.com')
54  -----
55
56  Query OK, 1 row affected (0.00 sec)
57
58  -----
59
60  CREATE TABLE Categories(
61      Category      varchar(25) PRIMARY KEY,
62      CategorySales  DECIMAL(9,2)
63  ) ENGINE=InnoDB DEFAULT CHARSET=utf8
64  -----
65
66  Query OK, 0 rows affected, 1 warning (0.02 sec)
67
68  -----
69
70  INSERT INTO Categories
71      VALUES('Hip Hop', 5000000.00)
72  -----
73
74  Query OK, 1 row affected (0.00 sec)
75
76  -----
77  INSERT INTO Categories
78      VALUES('Pop rock', 4000000.00)
79  -----
80
81  Query OK, 1 row affected (0.00 sec)
82
83  -----
84  INSERT INTO Categories
85      VALUES('Alternative rock', 4500000.00)
86  -----
87
88  Query OK, 1 row affected (0.00 sec)
```

```
89
90 -----
91
92 CREATE TABLE Price(
93     Media          varchar(15) PRIMARY KEY,
94     MediaPrice      DECIMAL(5,2)
95 ) ENGINE=InnoDB DEFAULT CHARSET=utf8
96 -----
97
98 Query OK, 0 rows affected, 1 warning (0.02 sec)
99
100 -----
101
102 INSERT INTO Price
103     VALUES('CD', 16.99)
104 -----
105
106 Query OK, 1 row affected (0.00 sec)
107
108 -----
109 INSERT INTO Price
110     VALUES('cassette', 9.99)
111 -----
112
113 Query OK, 1 row affected (0.00 sec)
114
115 -----
116
117 CREATE TABLE Artists(
118     Artist          varchar(20) PRIMARY KEY,
119     NumGrpMembers   TINYINT UNSIGNED
120 ) ENGINE=InnoDB DEFAULT CHARSET=utf8
121 -----
122
123 Query OK, 0 rows affected, 1 warning (0.02 sec)
124
125 -----
126
127 INSERT INTO Artists
128     VALUES('Kid Cudi', 1)
129 -----
130
131 Query OK, 1 row affected (0.00 sec)
132
```

```
133 -----
134 INSERT INTO Artists
135     VALUES('fun.', 3)
136 -----
137
138 Query OK, 1 row affected (0.00 sec)
139
140 -----
141 INSERT INTO Artists
142     VALUES('Third Eye Blind', 5)
143 -----
144
145 Query OK, 1 row affected (0.00 sec)
146
147 -----
148
149 CREATE TABLE Album(
150     Title          varchar(20) PRIMARY KEY,
151     Artist          varchar(20),
152     Year            SMALLINT UNSIGNED,
153     Producer        varchar(30),
154     Category        varchar(25),
155     CONSTRAINT Artist_FK FOREIGN KEY(Artist) REFERENCES Artists(Artist),
156     CONSTRAINT Producer_FK FOREIGN KEY(Producer) REFERENCES Producers(Producer),
157     CONSTRAINT Category_FK FOREIGN KEY(Category) REFERENCES Categories(Category)
158 ) ENGINE=InnoDB DEFAULT CHARSET=utf8
159 -----
160
161 Query OK, 0 rows affected, 1 warning (0.03 sec)
162
163 -----
164
165 INSERT INTO Album
166     VALUES('Man on the Moon', 'Kid Cudi', 2008, 'GOOD', 'Hip Hop')
167 -----
168
169 Query OK, 1 row affected (0.00 sec)
170
171 -----
172 INSERT INTO Album
173     VALUES('Some Nights', 'fun.', 2012, 'Fueled by Ramen', 'Pop rock')
174 -----
175
176 Query OK, 1 row affected (0.00 sec)
```

```
177
178 -----
179 INSERT INTO Album
180     VALUES('Third Eye Blind', 'Third Eye Blind', 1997, 'Elektra', 'Alternative rock')
181 -----
182
183 Query OK, 1 row affected (0.00 sec)
184
185 -----
186
187 CREATE TABLE Product(
188     Title      varchar(20),
189     Media      varchar(15),
190     CONSTRAINT Title_FK FOREIGN KEY(Title) REFERENCES Album(Title),
191     CONSTRAINT Media_FK FOREIGN KEY(Media) REFERENCES Price(Media),
192     CONSTRAINT Title_Media_PK PRIMARY KEY(Title, Media)
193 ) ENGINE=InnoDB DEFAULT CHARSET=utf8
194 -----
195
196 Query OK, 0 rows affected, 1 warning (0.02 sec)
197
198 -----
199
200 INSERT INTO Product
201     VALUES('Man on the Moon', 'CD')
202 -----
203
204 Query OK, 1 row affected (0.00 sec)
205
206 -----
207 INSERT INTO Product
208     VALUES('Some Nights', 'cassette')
209 -----
210
211 Query OK, 1 row affected (0.00 sec)
212
213 -----
214 INSERT INTO Product
215     VALUES('Third Eye Blind', 'CD')
216 -----
217
218 Query OK, 1 row affected (0.00 sec)
219
220 -----
```

```

221
222 SHOW TABLES
223 -----
224
225 +-----+
226 | Tables_in_music |
227 +-----+
228 | album           |
229 | artists         |
230 | categories      |
231 | price           |
232 | producers       |
233 | product         |
234 +-----+
235 6 rows in set (0.00 sec)
236
237 -----
238 SELECT * FROM Producers
239 -----
240
241 +-----+-----+
242 | Producer          | ProducerURL      |
243 +-----+-----+
244 | Elektra           | elektra.com      |
245 | Fueled by Ramen   | fueledbyramen.com |
246 | GOOD              | good-music.com   |
247 +-----+-----+
248 3 rows in set (0.00 sec)
249
250 -----
251 SELECT * FROM Categories
252 -----
253
254 +-----+-----+
255 | Category          | CategorySales    |
256 +-----+-----+
257 | Alternative rock   | 4500000.00       |
258 | Hip Hop           | 5000000.00       |
259 | Pop rock          | 4000000.00       |
260 +-----+-----+
261 3 rows in set (0.00 sec)
262
263 -----
264 SELECT * FROM Price

```

```

265 -----
266
267 +-----+-----+
268 | Media      | MediaPrice |
269 +-----+-----+
270 | cassette   |      9.99 |
271 | CD         |     16.99 |
272 +-----+-----+
273 2 rows in set (0.00 sec)
274
275 -----
276 SELECT * FROM Artists
277 -----
278
279 +-----+-----+
280 | Artist          | NumGrpMembers |
281 +-----+-----+
282 | fun.             |              3 |
283 | Kid Cudi         |              1 |
284 | Third Eye Blind  |              5 |
285 +-----+-----+
286 3 rows in set (0.00 sec)
287
288 -----
289 SELECT * FROM Album
290 -----
291
292 +-----+-----+-----+-----+-----+
293 | Title          | Artist          | Year | Producer          | Category          |
294 +-----+-----+-----+-----+-----+
295 | Man on the Moon | Kid Cudi        | 2008 | GOOD              | Hip Hop           |
296 | Some Nights     | fun.            | 2012 | Fueled by Ramen   | Pop rock          |
297 | Third Eye Blind | Third Eye Blind | 1997 | Elektra           | Alternative rock  |
298 +-----+-----+-----+-----+-----+
299 3 rows in set (0.00 sec)
300
301 -----
302 SELECT * FROM Product
303 -----
304
305 +-----+-----+
306 | Title          | Media      |
307 +-----+-----+
308 | Some Nights     | cassette   |

```

```
309 | Man on the Moon | CD      |
310 | Third Eye Blind | CD      |
311 +-----+-----+
312 3 rows in set (0.00 sec)
313
314 mysql> NOTEE
315
```