

CSCI 5333 DBMS
Fall 2021
Homework #5

SQL

This homework refers to the Sakila database that comes preloaded with MySQL installation. Refer to the documentation at: <https://dev.mysql.com/doc/sakila/en/>. Download the database at [downloads.mysql.com/docs/sakila-db.zip](https://dev.mysql.com/downloads/sakila/) to review the SQL statements for declaring and populating the database. (Note that XAMPP does not include Sakila and you will need to install it yourself.) You can refer to this handy [Sakila's schema](#).

Write the SQL statements for the following queries.

(1) List the names of all cities in the country with id 12.

```
+-----+
| city   |
+-----+
| Dhaka  |
| Jamalpur |
| Tangail |
+-----+
3 rows in set (0.001 sec)
```

(2) List the names of all cities in Bangladesh.

```
+-----+
| city   |
+-----+
| Dhaka  |
| Jamalpur |
| Tangail |
+-----+
3 rows in set (0.001 sec)
```

(3) List the addresses of customers living in Bangladesh.

```
+-----+
| address                                     |
+-----+
| 1838 Tabriz Lane                           |
| 1816 Bydgoszcz Loop                         |
| 262 A Corua (La Corua) Parkway             |
+-----+
3 rows in set (0.001 sec)
```

(4) List the names of customers who have rented a film with actor id 1.

```

+-----+
| customer |
+-----+
| JOEL FRANCISCO |
| GABRIEL HARDER |
...
| FERNANDO CHURCHILL |
| MARK RINEHART |
+-----+
234 rows in set (0.005 sec)

```

(5) List the names of customers who have rented a film with actor id 1 and a film with actor id 2.

```

+-----+
| customer |
+-----+
| GABRIEL HARDER |
| DIANNE SHELTON |
...
| CHRISTIAN JUNG |
| BRUCE SCHWARZ |
| FERNANDO CHURCHILL |
+-----+
112 rows in set (0.060 sec)

```

(6) List the names of customers who have rented a film with actor id 1 but not a film with actor id 2.

```

+-----+
| customer |
+-----+
| JOEL FRANCISCO |
| NORMAN CURRIER |
| BEATRICE ARNOLD |
...
| ALFRED CASILLAS |
| MARK RINEHART |
+-----+
122 rows in set (0.005 sec)

```

(7) List the titles of films with no recorded actors.

```

+-----+
| title |
+-----+
| DRUMLINE CYCLONE |
| FLIGHT LIES |
| SLACKER LIAISONS |
+-----+

```

3 rows in set (0.006 sec)

(8) List the film_id and the number of actors in the film. List only those films with 13 to 15 actors in the following manner.

film_id	numActors
508	15
146	13
87	13
714	13
249	13
188	13
606	13

7 rows in set (0.005 sec)

(9) List the titles of the top ten films with the most number of actors in the following formats. Note that in this case, a total of 13 films are listed as the tenth ranked film has 12 actors and all six films with 12 actors are listed.

title	number of actors
LAMBS CINCINATTI	15
BOONDOCK BALLROOM	13
CHITTY LOCK	13
CRAZY HOME	13
DRACULA CRYSTAL	13
MUMMY CREATURES	13
RANDOM GO	13
ARABIA DOGMA	12
HELLFIGHTERS SIERRA	12
LESSON CLEOPATRA	12
LONELY ELEPHANT	12
SKY MIRACLE	12
TITANIC BOONDOCK	12

13 rows in set (0.020 sec)

Submission:

Submit your homework through Blackboard with a sql file

<<Yourname>><<YourStudentID>>_h5.sql containing all SQL statements. Your sql file should be executable directly under MySQL.

