Contents

MySQL Questions

Import the *world* database from *moviesDB.sql* to MySQL and write queries to satisfy the following.

Write only the exact MySQL command for each question into the appropriate file.

Question A (MySQLQA.txt)

Show the *filmname* and *countryname* where the director, and at least one actor are from the same country. **NOTE** the "United States" should not be included.

The results should be sorted by alphabetical *countryname*.

```
+-----------------------------------+----------------+
| filmname                          | countryname    |
+-----------------------------------+----------------+
| Once Were Warriors                | New Zealand    |
| Harry Potter and the Goblet of Fire | United Kingdom |
+-----------------------------------+----------------+
2 rows in set (0.01 sec)
```

Figure 1 Example of output required for Question A

Question C (MySQLQC.txt)

Show the *filmname* of all films that have at least one actor from the United Kingdom.

The results should be sorted by alphabetical *filmname*.

```
+-----------------------------------------------+
| filmname                                      |
+-----------------------------------------------+
| Around the World in 80 Days                   |
| Batman Begins                                 |
| Charlie and the Chocolate Factory             |
| Harry Potter and the Goblet of Fire           |
| Harry Potter and the Order of the Phoenix     |
| Harry Potter and the Philosopher's Stone      |
| Harry Potter and the Prisoner of Azkaban      |
| Jurassic Park                                 |
| Kingdom of Heaven                             |
| Mission: Impossible III                       |
| Monsters, Inc.                                |
| Star Wars: Episode I - The Phantom Menace     |
| Star Wars: Episode II - Attack of the Clones  |
| Star Wars: Episode III - Revenge of the Sith  |
| Superman Returns                              |
| The Bourne Ultimatum                          |
+-----------------------------------------------+
16 rows in set (0.00 sec)
```

Figure 2 Example of output required for Question C

Question E (MySQLQE.txt)

Show the *actorname* and the number of films that actor has starred in.

The results should be sorted by ascending number of films, followed by alphabetical *actorname*.

Hugo Weaving	3
Ian McDiarmid	3
John Cleese	3
John Goodman	3
Kirsten Dunst	3
Laurence Fishburne	3
Liam Neeson	3
Natalie Portman	3
Temuera Morrison	3
Tobey Maguire	3
Alan Rickman	4
Daniel Radcliffe	4
Emma Watson	4
Frank Oz	4
Gary Oldman	4
Robbie Coltrane	4
Rupert Grint	4
Samuel L. Jackson	4
Tom Cruise	4
Brendan Gleeson	6

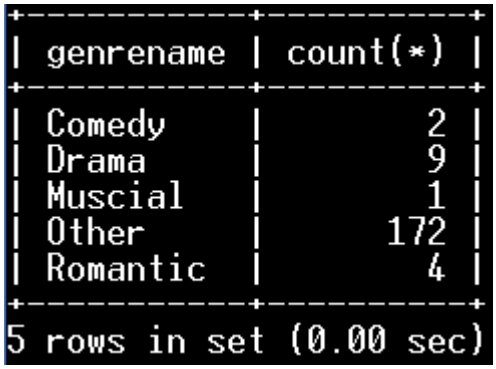
162 rows in set (0.00 sec)

Figure 3 Example of partial output required for Question E

Question G (MySQLQG.txt)

Show the *genrename* and the number of films in that genre.

The results should be sorted by alphabetical *genrename*.



genrename	count(*)
Comedy	2
Drama	9
Muscial	1
Other	172
Romantic	4

5 rows in set (0.00 sec)

Figure 4 Example of partial output required for Question G

MongoDB Questions

Import *employeesDB.json* into MongoDB as follows:

```
mongoimport.exe --db=employeesDB --collection=employees
--file=employeesDB.json
```

The database **must** be called **employeesDB**.

The collection **must** be called **employees**.

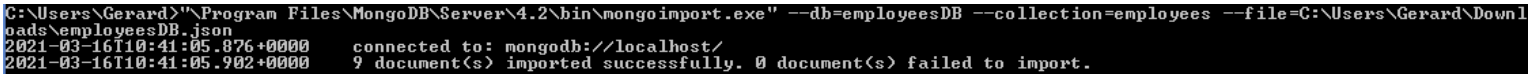


Figure 5 Example mongoimport

Write only the exact MongoDB command for each question into the appropriate file.

Question A (MongoDBQA.txt)

Show *_id* and "*Count*" for of all employees

Where "*Count*" is the number of employees in the following salary ranges:

- 0 to 37999.99
- 38,000.00 to 47,999.99
- 48,000.00 to 49,999.99
- 50,000 or higher.

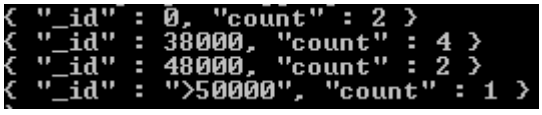


Figure 6 Example of output required for Question A

Question C (MongoDBQC.txt)

Show *_id* and "*Salary Bracket*" for all employees.

"*Salary Bracket*" should be equal to:

- Low if the employee's salary is less than 40,000
- Medium if the employee's salary is between 40,000.00 and 47,999.99
- High if greater than or equal to 48,000.00

Results should be sorted by *_id*.

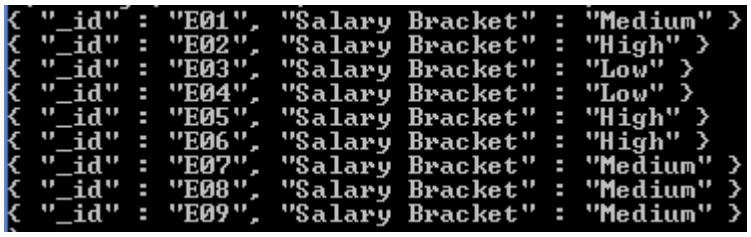


Figure 7 Example of output required for Question C

Question D (MongoDBQD.txt)

Show *_id* and "*Skill*" only for employees who have expertise.

"*Skill*" should be the 1st skill mentioned in the *expertise* array.

Results should be sorted alphabetically by *name*.

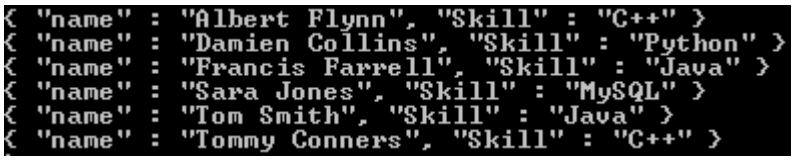


Figure 8 Example of output required for Question D

Question H (MongoDBQH.txt)

Show only the minimum *pensionLevel* as "*Min Pension Level*".

```
{ "Min Pension Level" : 2 }
```

Figure 9 Example of output required for Question H