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 B (MySQLQB.txt)

Show the *certificate* and *filmname* of all films starring "Temuera Morrison".

The results should be sorted by alphabetical *filmname*.

```
+-------------+-----------------------------------------------+
| certificate | filmname                                      |
+-------------+-----------------------------------------------+
| 18          | Once Were Warriors                            |
| PG          | Star Wars: Episode II - Attack of the Clones  |
| 12A         | Star Wars: Episode III - Revenge of the Sith  |
+-------------+-----------------------------------------------+
3 rows in set (0.00 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

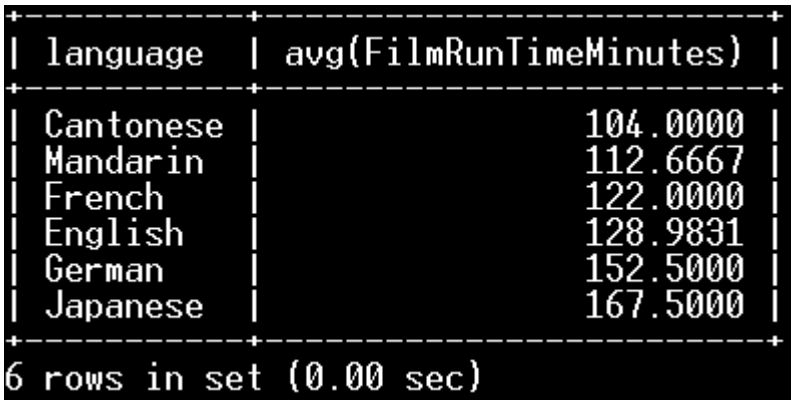
162 rows in set (0.00 sec)

Figure 3 Example of partial output required for Question E

Question H (MySQLQH.txt)

Show the *language* and average *filmruntimeminutes* for films in each language.

The results should be sorted in ascending order by average *filmruntimeminutes*, followed by alphabetical *language*.



language	avg(FilmRunTimeMinutes)
Cantonese	104.0000
Mandarin	112.6667
French	122.0000
English	128.9831
German	152.5000
Japanese	167.5000

6 rows in set (0.00 sec)

Figure 4 Example of output required for Question H

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**.

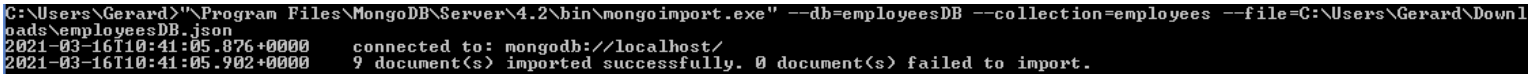


Figure 5 Example mongoimport

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.

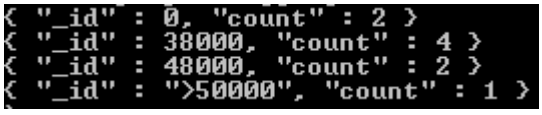


Figure 6 Example of output required for Question A

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*.

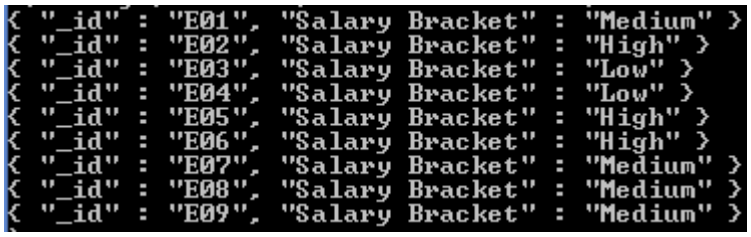


Figure 7 Example of output required for Question C

Question F (MongoDBQF.txt)

Show _id and "*Areas of Expertise*" only for employees who have expertise.

"*Areas of Expertise*" should be a number indicating the number of areas of expertise an employee has.

Results should be sorted by ascending "*Areas of Expertise*".

Figure 8 Example of output required for Question F

Question H (MongoDBQH.txt)

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

Figure 9 Example of output required for Question H