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 F (MySQLQF.txt)

Show the *directorname* and *lanauage(s)* of films the director directed that were not in English.

The results should be sorted by alphabetical *directorname*.

```
+---------------------+------------+
| directorname        | language   |
+---------------------+------------+
| Akira Kurosawa      | Japanese   |
| Akira Kurosawa      | Japanese   |
| Akira Kurosawa      | Japanese   |
| Ang Lee             | Mandarin   |
| Clint Eastwood      | Japanese   |
| Jean-Pierre Jeunet  | French     |
| Oliver Hirschbiegel | German     |
| Stanley Tong        | Cantonese  |
| Wolfgang Peterson   | German     |
| Yimou Zhang         | Mandarin   |
| Yimou Zhang         | Mandarin   |
+---------------------+------------+
11 rows in set (0.00 sec)
```

Figure 3 Example of output required for Question F

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**.

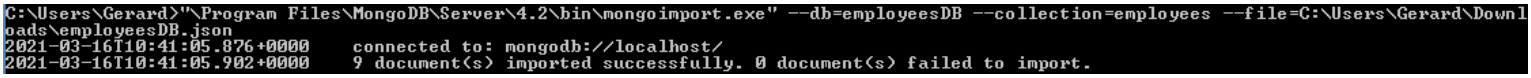

Figure 5 Example mongoimport

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

Question B (MongoDBQB.txt)

Show *_id* and "*Increase Due*" for all employees.

"*Increase Due*" should be equal to:

- Yes if the employee's *pensionLevel* is less than 9
- No otherwise

Results should be sorted by *_id*.

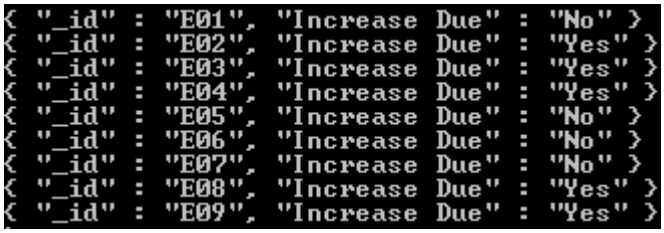

Figure 6 Example of output required for Question B

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*.

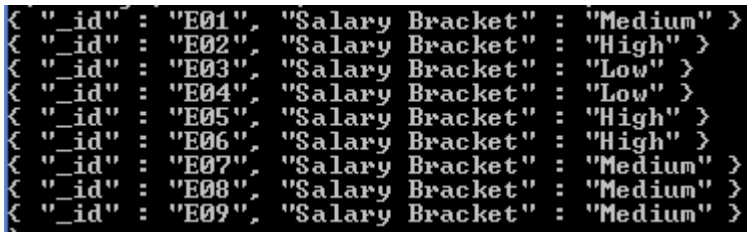

Figure 7 Example of output required for Question C

Question E (MongoDBQE.txt)

Show "*Letters in Longest Name*" which is the number of characters in the longest *name* attribute.

```
{ "Letters in Longest Name" : 15 }
```

Figure 8 Example of output required for Question E

Question G (MongoDBQG.txt)

Show *_id* and "*roundedSal*" which is the average salary rounded to 2 decimal places.

Figure 9 Example of output required for Question G