Comp 306 - Homework 2 Report

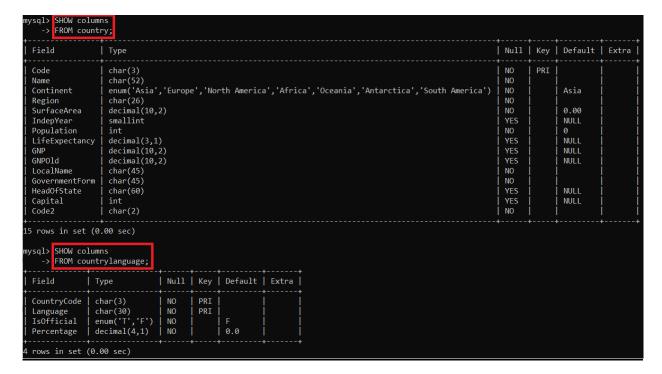
Question 1

```
C:\Program Files\MySQL\MySQL Server 8.0\bin mysql -u root -p
Enter password: ***********
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 42
Server version: 8.0.32 MySQL Community Server - GPL
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affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> SOURCE C:/Users/alpku/Desktop/HW2/world.sql
         mysql> show databases;
           Database
           information_schema
           mysql
           performance_schema
           testdb
           world
          5 rows in set (0.00 sec)
         mysql> use world;
         Database changed
         mysql> show tables;
           Tables_in_world |
           country
           countrylanguage
```

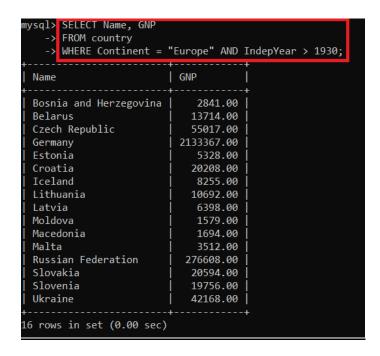
Question 2

nysql> SHOW col -> FROM cit							
Field				Default			
ID	int char(35)	NO NO NO NO NO	PRI MUL 	NULL 	auto_increment - 		
+							

rows in set (0.00 sec)



Part A



Part B

CountryCode	CountryName	CityName	CityPopulation
ABW	+ Aruba	 Oranjestad	++ 29034
AIA	Anguilla	South Hill	961
AIA	Anguilla	The Valley	595
AND	Andorra	Andorra la Vella	21189
ASM	American Samoa	Tafuna	5200
ASM	American Samoa	Fagatogo	2323
BMU	Bermuda	Saint George	1800
BMU	Bermuda	Hamilton	1200
CYM	Cayman Islands	George Town	19600
CYP	Cyprus	Nicosia	195000
CYP	Cyprus	Limassol	154400
FRO	Faroe Islands	Tórshavn	14542
GIB	Gibraltar	Gibraltar	27025
GLP	Guadeloupe	Les Abymes	62947
GLP	Guadeloupe	Basse-Terre	12433
GUF	French Guiana	Cayenne	50699
GUM	Guam	Tamuning	9500
GUM	Guam	Agaña	1139
ISL	Iceland	Reykjavík	109184
LIE	Liechtenstein	Schaan	5346
LIE	Liechtenstein	Vaduz	5043
LUX	Luxembourg	Luxembourg [Luxemburg/Lëtzebuerg]	80700
MAC	Macao	Macao	437500
MCO	Monaco	Monte-Carlo	13154
MCO	Monaco	Monaco-Ville	1234
MLT	Malta	Birkirkara	21445
MLT	Malta	Valletta	7073
MNP	Northern Mariana Islands	Garapan	9200
MSR	Montserrat	Plymouth	2000
MTQ	Martinique	Fort-de-France	94050
SHN	Saint Helena	Jamestown	1500
SMR	San Marino	Serravalle	4802
SMR	San Marino	San Marino	2294
SPM	Saint Pierre and Miquelon	Saint-Pierre	5808
VGB	Virgin Islands, British	Road Town	8000
VIR	Virgin Islands, U.S.	Charlotte Amalie	13000

Part C

Part D

Ouestion 3

Part A

```
mysql> CREATE TABLE restaurant (
-> ID INT NOT NULL,
-> Name VARCHAR(30) NOT NULL,
-> Type VARCHAR(30) NOT NULL,
-> Rating INT,
-> PRIMARY KEY (ID));
Query OK, 0 rows affected (0.03 sec)
```

Part B

Part C

```
nysql> INSERT INTO restaurant

-> Values (2, "El Taquito Loco", "Mexican", 4),
-> (3, "The Greek Taverna", "Greek", 5),
-> (4, "The Wok Inn", "Chinese", 3),
-> (5, "La Pizzeria Bella", "Italian", 4),
-> (6, "The Tap House", "Pub Food", 3),
-> (7, "Bao Bun House", "Asian Fusion", 4),
-> (8, "The Vegan Kitchen", "Barbecue", 4),
-> (9, "La Brasserie Belge", "Belgian", 4),
-> (10, "The Smokestack BBQ", "Barbecue", 4),
-> (11, "Sushi Island", "Japanese", 3);
Query Ok, 10 rows attected (0.01 sec)
Records: 10 Duplicates: 0 Warnings: 0
nysql> SELECT *
-> FROM restaurant;
  ID | Name
                                                                                        | Rating |
                                                           Type
    1 | Alp Kural's Restaurant |
                                                             Turkish
            El Taquito Loco
                                                              Mexican
            The Greek Taverna
                                                              Greek
           The Wok Inn
                                                             Chinese
            La Pizzeria Bella
                                                              Italian
            The Tap House
                                                              Pub Food
            Bao Bun House
            The Vegan Kitchen
                                                              Barbecue
           La Brasserie Belge
                                                              Belgian
           The Smokestack BBQ
                                                              Barbecue
  11 | Sushi Island
                                                              Japanese
l1 rows in set (0.00 sec)
```

Part D

Part E

```
mysql> DELETE FROM restaurant
-> WHERE Name = "The Tap House";
Query OK, 1 row affected (0.02 sec)
```

mysql> SELECT * -> FROM Restaurant;						
ID	Type	Rating				
1 Alp Kural's Restaurant	Turkish	5				
2 El Taquito Loco	Mexican	4				
3 The Greek Taverna	Greek	5				
4 The Wok Inn	Chinese	3				
5 La Pizzeria Bella	Italian	4				
7 Bao Bun House	Asian Fusion	4				
8 The Vegan Kitchen	Vegan	4				
9 La Brasserie Belge	Belgian	4				
10 The Smokestack BBQ	Barbecue	4				
11 Sushi Island	Japanese	3				
++ 10 rows in set (0.01 sec)						

Question 4

Part A

```
mysql>

CREATE TABLE city_restaurant

(restaurantID INT NOT NULL,

cityID INT NOT NULL,

PRIMARY KEY (restaurantID, cityID),

FOREIGN KEY (restaurantID) REFERENCES restaurant(ID),

POREIGN KEY (cityID) REFERENCES city(ID)

NUPDATE CASCADE ON DELETE RESTRICT);

Query OK, 0 rows affected (0.03 sec)
```

Part B

```
mysql> SET GLOBAL local_infile=1;
Query OK, 0 rows attected (0.00 sec)
mysql> exit
Bye
C:\Program Files\MvSOL\MvSOL Server 8.0\bin mysql --local-infile=1 -u root -p
Enter password: *********
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 50
Server version: 8.0.32 MySQL Community Server - GPL
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affiliates. Other names may be trademarks of their respective
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> use world
Databa
mysql> LOAD DATA LOCAL INFILE "C:/Users/alpku/Desktop/HW2/city_restaurant.txt"
    -> INTO TABLE city_restaurant;
Query OK, 21 rows attected (0.02 sec)
Records: 21 Deleted: 0 Skipped: 0 Warnings: 0
```

Part C

```
ysql> SELECT ID, Name
      FROM city, city_restaurant
     WHERE city.ID = city_restaurant.cityID
     GROUP BY ID, Name
     HAVING COUNT(*) > 1;
ID
      Name
 144
       Baku
 459
       Liverpool
 462
       Manchester
3357
      Istanbul
rows in set (0.00 sec)
```

Part D

Part E

Part F

Part G

```
SELECT Name
FROM country
     EXCEPT
     SELECT country.Name
     FROM city_restaurant, city, country
     WHERE city_restaurant.cityID = city.ID AND city.CountryCode = country.Code;
Name
Aruba
Afghanistan
Angola
Anguilla
Albania
Andorra
Netherlands Antilles
United Arab Emirates
Argentina
Armenia
American Samoa
Antarctica
French Southern territories
Antigua and Barbuda
Australia
Austria
Burundi
Belgium
Benin
Burkina Faso
Bangladesh
Bulgaria
Bahrain
Bahamas
Bosnia and Herzegovina
Belarus
Belize
Bermuda
Bolivia
Brazil
Barbados
Brunei
Bhutan
Bouvet Island
Botswana
Central African Republic
Canada
Cocos (Keeling) Islands
Switzerland
Chile
China
```

Côte d?Ivoire Cameroon Congo, The Democratic Republic of the Cook Islands Colombia Comoros Cape Verde Costa Rica Cuba Christmas Island Cayman Islands Cyprus Czech Republic Germany Djibouti Dominica Denmark Dominican Republic Algeria Ecuador Eritrea Western Sahara Spain Estonia Ethiopia Finland Fiji Islands Falkland Islands Faroe Islands Micronesia, Federated States of Gabon Georgia Ghana Gibraltar Guinea Guadeloupe Gambia Guinea-Bissau Equatorial Guinea Greece Grenada Greenland Guatemala French Guiana Guam Guyana

Hong Kong Heard Island and McDonald Islands Honduras Croatia Haiti Hungary Indonesia India British Indian Ocean Territory Ireland Iran Iraq Iceland Israel Italy Jamaica Kazakstan Kenya Kyrgyzstan Cambodia Kiribati Saint Kitts and Nevis South Korea Kuwait Laos Lebanon Liberia Libyan Arab Jamahiriya Saint Lucia Liechtenstein Sri Lanka Lesotho Lithuania Luxembourg Latvia Macao Morocco Monaco Moldova Madagascar Maldives Mexico Marshall Islands Macedonia Mali Malta Myanmar Mongolia

Moldova Madagascar Maldives Mexico Marshall Islands Macedonia Mali Malta Myanmar Mongolia Northern Mariana Islands Mozambique Mauritania Montserrat Martinique Mauritius Malawi Malaysia Mayotte Namibia New Caledonia Niger Norfolk Island Nigeria Nicaragua Niue Netherlands Norway Nepal Nauru New Zealand Oman Pakistan Panama Pitcairn Peru Philippines Palau Papua New Guinea Poland Puerto Rico North Korea **Portugal** Paraguay Palestine French Polynesia Qatar Réunion Romania

Rwanda Saudi Arabia Sudan Senegal Singapore South Georgia and the South Sandwich Islands Saint Helena Svalbard and Jan Mayen Solomon Islands Sierra Leone El Salvador San Marino Somalia Saint Pierre and Miquelon Sao Tome and Principe Suriname Slovakia Slovenia Sweden Swaziland Seychelles Syria Turks and Caicos Islands Chad Togo Thailand Tajikistan Tokelau Turkmenistan East Timor Tonga Trinidad and Tobago Tunisia Tuvalu Taiwan Tanzania Uganda Ukraine United States Minor Outlying Islands Uruguay Uzbekistan Holy See (Vatican City State) Saint Vincent and the Grenadines Venezuela Virgin Islands, British Virgin Islands, U.S. Vietnam Vanuatu

Question 5

C:\Program Files\MvSOL\MvSOL Server 8.0\bin mysqldump -u root -p world > "C:/Users/alpku/Desktop/HW2/world-export.sql"
Enter password: ***********