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CPSC 321 Database management Systems

Fall 2021

11/26/21

## Part 1:

My Factbook tables

```
+-----+-----+-----+-----+
| country_code | country_name          | gdp   | inflation |
+-----+-----+-----+-----+
| PL           | Poland                | 33321 | 2.1        |
| RU           | Russia                | 31000 | 4.4        |
| UA           | Ukraine               | 12810 | 7.9        |
| US           | United States of America | 62530 | 1.8        |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

+-----+-----+-----+
| province_name | country_code | area  |
+-----+-----+-----+
| Hawaii        | US           | 10430 |
| Kaliningrad Oblast | RU          | 15100 |
| Lesser Poland | PL           | 15108 |
| Lower Silesian | PL           | 19945 |
| Pomerania     | PL           | 30120 |
+-----+-----+-----+
5 rows in set (0.00 sec)

+-----+-----+-----+-----+
| city_name     | province_name | country_code | population |
+-----+-----+-----+-----+
| Gdansk        | Pomerania     | PL           | 475000     |
| Honolulu      | Hawaii        | US           | 348985     |
| Kahului       | Hawaii        | US           | 31336      |
| Kaliningrad   | Kaliningrad Oblast | RU          | 475000     |
| Kihei         | Hawaii        | US           | 31336      |
| Krakow        | Lesser Poland | PL           | 779966     |
| Wroclaw       | Lower Silesian | PL           | 690000     |
+-----+-----+-----+-----+
7 rows in set (0.00 sec)

+-----+-----+-----+
| country_code_1 | country_code_2 | border_length |
+-----+-----+-----+
| RU             | UA             | 1944          |
| UA             | PL             | 498           |
+-----+-----+-----+
2 rows in set (0.00 sec)
```

1 a, b, c, d, e

```
+-----+
| country_code | SUM(area) |
+-----+
| PL           | 65173     |
| RU           | 15100     |
| US           | 10430     |
+-----+
3 rows in set (0.00 sec)

+-----+-----+-----+-----+-----+
| country_code | country_name | gdp | inflation | SUM(c1.population) |
+-----+-----+-----+-----+-----+
| PL           | Poland       | 33321 | 2.1       | 1944966             |
| RU           | Russia       | 31000 | 4.4       | 475000              |
| US           | United States of America | 62530 | 1.8       | 411657              |
+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

+-----+-----+-----+-----+
| country_code | province_name | area | SUM(c1.population) |
+-----+-----+-----+-----+
| US           | Hawaii        | 10430 | 411657             |
| RU           | Kaliningrad Oblast | 15100 | 475000             |
| PL           | Lesser Poland | 15108 | 779966             |
| PL           | Lower Silesian | 19945 | 690000             |
| PL           | Pomerania     | 30120 | 475000             |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

+-----+-----+-----+
| country_code | country_name | COUNT(*) |
+-----+-----+-----+
| PL           | Poland       | 3         |
| US           | United States of America | 3         |
| RU           | Russia       | 1         |
+-----+-----+-----+
3 rows in set (0.00 sec)

+-----+-----+-----+-----+
| country_code | gdp | SUM(area) | COUNT(*) |
+-----+-----+-----+-----+
| RU           | 31000 | 15100     | 1         |
| US           | 62530 | 31290     | 3         |
+-----+-----+-----+-----+
```

1 f

```
+-----+-----+
| country_code | COUNT(*) |
+-----+-----+
| PL           | 3         |
| US           | 3         |
+-----+-----+
2 rows in set (0.00 sec)
```

## Part 2:

2 a, b, c

name		COUNT(*)
Sports		74
Foreign		73
Family		69
Documentary		68
Animation		66
Action		64
New		63
Drama		62
Games		61
Sci-Fi		61

10 rows in set (0.00 sec)

first_name	last_name	COUNT(*)
AUDREY	RAY	6
RUSSELL	BRINSON	5
DEREK	BLAKELY	5
OLGA	JIMENEZ	5
LESLIE	SEWARD	5
STEVE	MACKENZIE	4
CLARENCE	GAMEZ	4
JUNE	CARROLL	4
VERONICA	STONE	4
PHILIP	CAUSEY	4

10 rows in set (0.00 sec)

title	amount
MIDSUMMER GROUNDHOG	11.99
TRAP GUYS	11.99

2 rows in set (0.00 sec)

2 d, e, f, g

```
+-----+-----+
| name   | COUNT(*) |
+-----+-----+
| Family |        18 |
+-----+-----+
1 row in set (0.00 sec)

+-----+-----+
| title           | num_rentals |
+-----+-----+
| TIMBERLAND SKY |          31 |
| BUTTERFLY CHOCOLAT |        30 |
| MUSCLE BRIGHT |        30 |
| CAT CONEHEADS |        30 |
| PULP BEVERLY |        30 |
| DOGMA FAMILY |        30 |
| MARRIED GO |        30 |
| SWEETHEARTS SUSPECTS |        29 |
| SATURDAY LAMBS |        28 |
| PRIMARY GLASS |        27 |
+-----+-----+
10 rows in set (0.00 sec)

+-----+-----+
| first_name | last_name |
+-----+-----+
| MERYL      | ALLEN     |
+-----+-----+
1 row in set (0.00 sec)

+-----+
| title |
+-----+
| ACADEMY DINOSAUR |
| AFFAIR PREJUDICE |
| AGENT TRUMAN     |
| AIRPLANE SIERRA  |
| ALABAMA DEVIL     |
| ALADDIN CALENDAR  |
| ALAMO VIDEOTAPE   |
| ALASKA PHANTOM    |
| ALIEN CENTER      |
| ALLEY EVOLUTION   |
+-----+
10 rows in set (0.00 sec)
```

2 h, i, j, k

actor_id	first_name	last_name	pct
83	BEN	WILLIS	0.4242
129	DARYL	CRAWFORD	0.4000
17	HELEN	VOIGHT	0.3750
193	BURT	TEMPLE	0.3478
14	VIVIEN	BERGEN	0.3333
7	GRACE	MOSTEL	0.3333
122	SALMA	NOLTE	0.3200
166	NICK	DEGENERES	0.3182
30	SANDRA	PECK	0.3158
70	MICHELLE	MCCONAUGHEY	0.3043

10 rows in set (0.00 sec)

title
DRUMLINE CYCLONE
FLIGHT LIES
SLACKER LIAISONS

3 rows in set (0.00 sec)

title
ACADEMY DINOSAUR

1 row in set (0.00 sec)

film_id	num_of_actors
1	10
2	4
3	5
4	5
5	5
6	7
7	5
8	4
9	9
10	8

10 rows in set (0.00 sec)

### Part 3:

I chose to run the python script.

```
kstevens3@ada:~/documents$ python mysql_test_1.py
1, Action
2, Animation
3, Children
4, Classics
5, Comedy
6, Documentary
7, Drama
8, Family
9, Foreign
10, Games
11, Horror
12, Music
13, New
14, Sci-Fi
15, Sports
16, Travel
```