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CPSC 321 Database Management Systems

Fall 2021

10/28/2021

Part 1.

1a.

```
+--------------+----------------------------+--------+------------+
| country_code | country_name               | gdp    | inflation  |
+--------------+----------------------------+--------+------------+
| US           | United States of America   | 62530  |       1.8  |
+--------------+----------------------------+--------+------------+
1 row in set (0.00 sec)
```

1b.

```
+--------------+--------------+-----------+---------------------+--------+
| country_code | country_name | inflation | province_name       | area   |
+--------------+--------------+-----------+---------------------+--------+
| RU           | Russia       |       4.4 | Kaliningrad Oblast  | 15100  |
+--------------+--------------+-----------+---------------------+--------+
1 row in set (0.00 sec)
```

1c.

```
+--------------+--------------+-----------+---------------------+--------+
| country_code | country_name | inflation | province_name       | area   |
+--------------+--------------+-----------+---------------------+--------+
| RU           | Russia       |       4.4 | Kaliningrad Oblast  | 15100  |
+--------------+--------------+-----------+---------------------+--------+
1 row in set (0.00 sec)
```

1d.

```
+--------------+----------------------------+---------------------+--------+
| country_code | country_name               | province_name       | area   |
+--------------+----------------------------+---------------------+--------+
| US           | United States of America   | Hawaii              | 10430  |
| RU           | Russia                     | Kaliningrad Oblast  | 15100  |
| PL           | Poland                     | Lesser Poland       | 15108  |
| PL           | Poland                     | Pomerania           | 30120  |
+--------------+----------------------------+---------------------+--------+
4 rows in set (0.00 sec)
```

1e.

```
+--------------+----------------------------+---------------------+--------+
| country_code | country_name               | province_name       | area   |
+--------------+----------------------------+---------------------+--------+
| US           | United States of America   | Hawaii              | 10430  |
| RU           | Russia                     | Kaliningrad Oblast  | 15100  |
| PL           | Poland                     | Lesser Poland       | 15108  |
| PL           | Poland                     | Pomerania           | 30120  |
+--------------+----------------------------+---------------------+--------+
4 rows in set (0.00 sec)
```

1f.

```
+--------------+--------------------------+---------------+-------+
| country_code | country_name             | province_name | area  |
+--------------+--------------------------+---------------+-------+
| US           | United States of America | Hawaii        | 10430 |
+--------------+--------------------------+---------------+-------+
1 row in set (0.00 sec)
```

1g.

```
+--------------+--------------------------+---------------+-------+
| country_code | country_name             | province_name | area  |
+--------------+--------------------------+---------------+-------+
| US           | United States of America | Hawaii        | 10430 |
+--------------+--------------------------+---------------+-------+
1 row in set (0.00 sec)
```

1h.

```
+------------+--------------------+--------------+------------+--------------------+--------------+------------+
| city_name  | province_name      | country_code | city_name  | province_name      | country_code | population |
+------------+--------------------+--------------+------------+--------------------+--------------+------------+
| Kaliningrad| Kaliningrad Oblast | RU           | Gdansk     | Pomerania          | PL           |     475000 |
| Gdansk     | Pomerania          | PL           | Kaliningrad| Kaliningrad Oblast | RU           |     475000 |
+------------+--------------------+--------------+------------+--------------------+--------------+------------+
2 rows in set (0.00 sec)
```

1i.

```
+--------------+--------------+
| country_code | country_name |
+--------------+--------------+
| RU           | Russia       |
+--------------+--------------+
1 row in set (0.01 sec)
```

1j.

```
+--------------+--------------+
| country_code | country_name |
+--------------+--------------+
| RU           | Russia       |
+--------------+--------------+
1 row in set (0.00 sec)
```

2. a, b, c, d, e, f, g

```
+----------+------------------------+
| item_num | set_name               |
+----------+------------------------+
|      345 | Chinese New Year Pandas |
+----------+------------------------+
1 row in set (0.00 sec)

+----------+------------------------+
| item_num | set_name               |
+----------+------------------------+
|      234 | Gotham City            |
|      345 | Chinese New Year Pandas |
+----------+------------------------+
2 rows in set (0.00 sec)

+----------+----------------+
| item_num | set_name       |
+----------+----------------+
|      456 | Rapunzels Tower |
+----------+----------------+
1 row in set (0.00 sec)

+----------+-------------+
| item_num | set_name    |
+----------+-------------+
|      234 | Gotham City |
+----------+-------------+
1 row in set (0.00 sec)

+----------+-------------+
| item_num | set_name    |
+----------+-------------+
|      234 | Gotham City |
+----------+-------------+
1 row in set (0.00 sec)

+----------+------------------------+
| item_num | set_name               |
+----------+------------------------+
|      345 | Chinese New Year Pandas |
+----------+------------------------+
1 row in set (0.00 sec)

+----------+------------------------+
| item_num | set_name               |
+----------+------------------------+
|      234 | Gotham City            |
|      345 | Chinese New Year Pandas |
|      456 | Rapunzels Tower        |
+----------+------------------------+
3 rows in set (0.00 sec)
```

2. h (3 tables)

```
+-----------+-----------------------+-------+
| item_num  | set_name              | price |
+-----------+-----------------------+-------+
|       123 | Epic Farm             |  0.21 |
|       456 | Rapunzels Tower       |  0.21 |
|       234 | Gotham City           |   0.5 |
|       345 | Chinese New Year Pandas |  0.5 |
|       345 | Chinese New Year Pandas |  0.2 |
+-----------+-----------------------+-------+
5 rows in set (0.00 sec)

+-----------+-----------------+
| item_num  | set_name        |
+-----------+-----------------+
|       456 | Rapunzels Tower |
+-----------+-----------------+
1 row in set (0.00 sec)

+-----------+-----------------+
| item_num  | set_name        |
+-----------+-----------------+
|       234 | Gotham City     |
|       456 | Rapunzels Tower |
+-----------+-----------------+
2 rows in set (0.00 sec)
```

Part 2. Project