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CPSC 321 01

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<center>Homework 5</center>

1. Option 1

```
1. List Countries
2. Add Countries
3. Find Countries Based On GDP and Inflation
4. Update Country's GDP and Inflation
5. Exit
Enter your choice (1-5): 1

Canada (CA), per capita GDP $4837, inflation: 4.1%
China (CN), per capita GDP $10200, inflation: 0.1%
Finland (FI), per capita GDP $54000, inflation: 5.3%
France (FR), per capita GDP $43551, inflation: 5.7%
Germany (DE), per capita GDP $47603, inflation: 4.5%
Mexico (MX), per capita GDP $9000, inflation: 6.1%
Netherlands (NL), per capita GDP $53000, inflation: 4.9%
Singapore (SG), per capita GDP $72794, inflation: 4.0%
TestCountry (XX), per capita GDP $100000, inflation: 100.0%
United States of America (US), per capita GDP $72749, inflation: 3.7%
Vietnam (VN), per capita GDP $2566, inflation: 4.9%
```

2. Option 2

```
1. List Countries
2. Add Countries
3. Find Countries Based On GDP and Inflation
4. Update Country's GDP and Inflation
5. Exit
Enter your choice (1-5): 2

Country code................: TW
Country name................: Taiwan
Country per capita GDP (USD): 33000
Country inflation (pct).....: 3.6

Country TW added

1. List Countries
2. Add Countries
3. Find Countries Based On GDP and Inflation
4. Update Country's GDP and Inflation
5. Exit
Enter your choice (1-5): 2

Country code................: TW
Country name................: Taiwan
Country per capita GDP (USD): 33000
Country inflation (pct).....: 3.6

Country already exists
```

3. Option 3

```
1. List Countries
2. Add Countries
3. Find Countries Based On GDP and Inflation
4. Update Country's GDP and Inflation
5. Exit
Enter your choice (1-5): 3

Minimum per capita GDP (USD): 15000
Maximum per capita GDP (USD): 70000
Minimum inflation (pct).....: 3
Maximum inflation (pct).....: 5

Netherlands (NL), per capita GDP $53000, inflation: 4.9%
Germany (DE), per capita GDP $47603, inflation: 4.5%
Taiwan (TW), per capita GDP $33000, inflation: 3.6%
```

4. Option 4

```
1. List Countries
2. Add Countries
3. Find Countries Based On GDP and Inflation
4. Update Country's GDP and Inflation
5. Exit
Enter your choice (1-5): 4

Country code................: TW
Country per capita GDP (USD): 35000
Country inflation (pct).....: 3.7

Country TW updated
```

5. Option 5

```
1. List Countries
2. Add Countries
3. Find Countries Based On GDP and Inflation
4. Update Country's GDP and Inflation
5. Exit
Enter your choice (1-5): 5

(cpsc322) tony@Tonys-MacBook-Pro hw5-tonixsmm %
```

6. Observations

- I do not have any significant issues completing this assignment.

- It was a bit weird at first when I had to trace the code to set up the SQL connection, but I got that figured out pretty quickly.

- Another point is that since my base language is Python, I don't have to deal with the SQL Prepared Statements, which is quite nice.