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Professor Bowers
CPSC 321
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Project 3 Write-Up

Challenges: One of the harder parts of this assignment for me was setting up the database connection and fully understanding it. I also found it tricky to debug when it came to datatypes to pass in, but the %s method in the example code helped a lot. I mostly played around with the parameters and referenced notes for this project.

Screenshots:

```

MAIN MENU
1. List countries
2. Add country
3. Find countries based on gdp and inflation
4. Update country's gdp and inflation
5. Exit
Enter your choice (1-5):
1

Country_One (ABC), per capita gdp $1.4, inflation rate 2.0%.
Country_Two (DEF), per capita gdp $2.5, inflation rate 1.6%.
Country_Three (GHI), per capita gdp $2.2, inflation rate 1.4%.
Country_Five (VBB), per capita gdp $3.0, inflation rate 1.2%.
Country_Four (ZYG), per capita gdp $2.0, inflation rate 2.0%.

```

```

5. Exit
Enter your choice (1-5):
2

Country code.....:
HYL
Country name.....:
Country_Six
Country per capita gdp (USD):
2.9
Country inflation (pct).....:
2.7

Entry is valid.

Sucessfully executed query.

MAIN MENU
1. List countries
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Enter your choice (1-5):
1

Country_One (ABC), per capita gdp $1.4, inflation rate 2.0%.
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Country_Six (HYL), per capita gdp $2.9, inflation rate 2.7%.
Country_Five (VBB), per capita gdp $3.0, inflation rate 1.2%.
Country_Four (ZYG), per capita gdp $2.0, inflation rate 2.0%.

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Country_One (ABC), per capita gdp $1.4, inflation rate 2.0%.
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Country_Five (VBB), per capita gdp $3.0, inflation rate 1.2%.
Country_Four (ZYG), per capita gdp $2.0, inflation rate 2.0%.
```

MAIN MENU

1. List countries
2. Add country
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)..:

2.0

Maximum per capita gdp (USD)..:

2.9

Minimum inflation (pct).....:

1.3

Maximum inflation (pct).....:

1.8

Successfully executed query.

Country name: Country_Two

Country name: Country_Three

MAIN MENU

1. List countries
2. Add country
3. Find countries based on gdp and inflation
4. Update country's gdp and inflation

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4. Update country's gdp and inflation

5. Exit

Enter your choice (1-5):

4

Country code.....:

ZYG

Country per capita gdp (USD):

3.4

Country inflation (pct).....:

2.1

Country code exists in table.

Executing query...

Database updated.

MAIN MENU

1. List countries
2. Add country
3. Find countries based on gdp and inflation
4. Update country's gdp and inflation
5. Exit

Enter your choice (1-5):

1

```
Country_One (ABC), per capita gdp $1.4, inflation rate 2.0%.
Country_Two (DEF), per capita gdp $2.5, inflation rate 1.6%.
Country_Three (GHI), per capita gdp $2.2, inflation rate 1.4%.
Country_Six (HYL), per capita gdp $2.9, inflation rate 2.7%.
Country_Five (VBB), per capita gdp $3.0, inflation rate 1.2%.
Country_Four (ZYG), per capita gdp $3.4, inflation rate 2.1%.
```

MAIN MENU

1. List countries