

**Allen E. Paulson College of Engineering& Computing**

**Department of Information Technology**

**Project 12**

Report for **Project 12** that is due on Sunday, April 17, 2022

As part of ITW 2431 Data Programming II

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**Date of Submission: Sunday, April 17, 2022**

# Section 1 – Project 12 Prob 1 Purpose(s) of Program Problem, Output of Sample Run, and Learning Experience

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| 1. **Purpose(s) of Problem:**   Update a database named 'world\_updated.db' by adding a new city. Then execute queries to  do the following:  - Show the city that was added  - countries that have a population > 1,000,000  - cities in the USA with a poulation > 1,000,000  - count the cities in the USA with a poulation > 1,000,000  - average population of cities in the USA with a poulation > 1,000,000  Print out the results from all these queries. |
| 1. **Source Code File Name:** ITW2431\_P12\_P1\_mpatak.py |
| 1. **Other Supporting File(s) (if any):** world\_updated.db |
| 1. **Hours Spent on Developing the Solution of the Problem and Writing the Program:** 2 hours |
| 1. **The Output of Program Sample Run:** |
| 1. **Overall Learning Experience for the Problem:**   I am quickly getting used to using sqlite in Python. The queries themselves were easy to do and getting them coded was not an issue. |