

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

**Department of Information Technology**

**Lab 12**

Report for **Lab 12** that is due on Sunday, April 10, 2022

As part of ITW 2431 Data Programming II

**Name: Michael Patak**

**Date of Submission: Sunday, April 10, 2022**

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

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| 1. **Purpose(s) of Problem:**   Create a database named 'company.sqlite' and within the database define four tables: department,  employee, project, and works\_on. The program will then execute three SQL queries to retrieve data  from the new database. |
| 1. **Source Code File Name:** ITW2431\_L12\_P1\_mpatak.py |
| 1. **Other Supporting File(s) (if any):** n/a |
| 1. **Hours Spent on Developing the Solution of the Problem and Writing the Program:** 3 hours |
| 1. **The Output of Program Sample Run:** |
| 1. **Overall Learning Experience for the Problem:**   This was a challenging program to write. I am very familiar with SQL, but using SQLite syntax within the python code was something completely different than what I would do in Java. The SQL to create the database, tables, and queries was the easiest part. |