

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

**Department of Information Technology**

**Lab 4**

Report for **Lab 4** that is due on Thursday, February 10, 2022

As part of ITW 2431 Data Programming II

**Name: Michael Patak**

**Date of Submission: Thursday, February 10, 2022**

# Section 1 – Lab 4 Prob 1 Purpose(s) of Program Problem, Output of Sample Run, and Learning Experience

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| 1. **Purpose(s) of Problem:**   The program will create a dictionary of name and birthday data. The program will ask the user to  enter the name of the person whose birthday they want to find. If the birthday is found the  program will out the name and birthday. If the birthday is not found the program will output an  error message. After the user is done searching for birthdays the first timer the program will  automatically added more names and birthdays to the dictionary. The user will again be prompted  for a name to search for a birthday. |
| 1. **Source Code File Name:** ITW2431\_L4\_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:** 1.5 hours |
| 1. **The Output of Program Sample Run:** |
| 1. **Overall Learning Experience for the Problem:** This problem was good because I was using a for loop to parse through the dictionary, and I used the dictionary functions keys() and update(). |