

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

**Department of Information Technology**

**Project 9**

Report for **Project 9** that is due on Sunday, March 20, 2022

As part of ITW 2431 Data Programming II

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**Date of Submission: Sunday, March 20, 2022**

# Section 1 – Project 9 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 read a data file and load the data into a dictionary and output the dictionary  contents. The program will then retrieve the number of key:value pairs and output the number.  The program will then prompt the user for input of a provider’s name and if the name is in the  dictionary the program will output the providers address and phone number. If the providers  name is not found the user will be prompted to correct the name and enter again. |
| 1. **Source Code File Name:** ITW2431\_P7\_P1\_mpatak.py |
| 1. **Other Supporting File(s) (if any):** ClinicInfo.txt |
| 1. **Hours Spent on Developing the Solution of the Problem and Writing the Program:** 4 hours |
| 1. **The Output of Program Sample Run:** |
| 1. **Overall Learning Experience for the Problem:**   This was a challenging program to write because it brought in many different things. The program had to read from a file, use regular expressions to parse the file data, load the file data into a dictionary, and perform a lookup of data in the dictionary. |