

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

**Department of Information Technology**

**Project 6**

Report for **Project 6** that is due on Sunday, February 27, 2022

As part of ITW 2431 Data Programming II

**Name: Michael Patak**

**Date of Submission: Sunday, February 27, 2022**

# Section 1 – Project 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 use the 'input()' function to ask the users to input their courses and professors this  semester, until the users input "done" to complete data entry. The program will put the courses and  professor names into a tuple. The program will print out the data. |
| 1. **Source Code File Name:** ITW2431\_P6\_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 hour |
| 1. **The Output of Program Sample Run:** |
| 1. **Overall Learning Experience for the Problem:**   This was an easy project. I was able to reuse code for loading a list with course and professor information. I then used that list to create a tuple of the course and professor information, which I then printed out. |

# Section 2 – Project 6 Prob 2 Purpose(s) of Program Problem, Output of Sample Run, and Learning Experience

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| 1. **Purpose(s) of Problem:**   The program will use the 'input()' function to ask the users to input their courses and professors  this semester, until the users input "done" to complete data entry. The program will put the  courses and professor names into a tuple. The program will print out the data. The program will  then replace a course and professor pair and print out the old and updated course tuples. |
| 1. **Source Code File Name**: ITW2431\_P6\_P2\_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 hour |
| 1. **The Output of Program Sample Run:** |
| 1. **Overall Learning Experience for the Problem:**   I reused the code from Project 6 Problem 1 to load the course and professor info tuple. I then substituted the 3rd and 4th elements in the list with the new course and professor information and created an updated course tuple. Then the program printed out the old and updated tuples. |

# Section 5 – Assignment xx Prob x Purpose(s) of Program Problem, Output of Sample Run, and Learning Experience

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| 1. **Purpose(s) of Problem:** |
| 1. **Source Code File Name:** |
| 1. **Other Supporting File(s) (if any):** |
| 1. **Hours Spent on Developing the Solution of the Problem and Writing the Program:** |
| 1. **The Output of Program Sample Run:** |
| 1. **Overall Learning Experience for the Problem:** |