

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

**Department of Information Technology**

**Project 7**

Report for **Project 7** that is due on Sunday, March 6, 2022

As part of ITW 2431 Data Programming II

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**Date of Submission: Sunday, March 6, 2022**

# Section 1 – Project 7 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 take a string of input from the user split the string in words that will be loaded into  a list. The list will be used to create a tuple of the words. The program will then iterate through the  tuple counting the number of occurrences of each word and loading the word and occurrences into  a dictionary as a key value pair. The program will out the words that occur more than once. |
| 1. **Source Code File Name:** ITW2431\_P7\_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:**   I used a for loop to iterate through the tuple of words. Doing this I was able to iterate through the tuple of words counting the number of times each word occurred with just four lines of code (not counting lines for initializing variables). |