

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

**Department of Information Technology**

**Project 5**

Report for **Project 5** that is due on Sunday, February 20, 2022

As part of ITW 2431 Data Programming II

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

# Section 1 – Project 5 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 for a student ID and his/her grades for three exams. The  students ID will be the key and the three grades will be the value in a key/value pair. the  program will then output the average grade for each of the three exams. |
| 1. **Source Code File Name:** ITW2431\_P5\_P1\_mpatak.py |
| 1. **Other Supporting File(s) (if any):** studentGrade.txt |
| 1. **Hours Spent on Developing the Solution of the Problem and Writing the Program:** 2 hours |
| 1. **The Output of Program Sample Run:** |
| 1. **Overall Learning Experience for the Problem:**   For this problem there was three specific tasks, load a dictionary, print out the student grades, and calculate and print the average grade for each exam. I chose to create three functions that completed each of these tasks. I used dictionary and list techniques learned in previous labs and projects. |