

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

**Department of Information Technology**

**Lab 9**

Report for **Lab 9** that is due on Thursday, March 17, 2022

As part of ITW 2431 Data Programming II

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**Date of Submission: Thursday, March 17, 2022**

# Section 1 – Lab 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 use a function to search a string and match all the words that start with the  letter 'a', and return the immediately following words (the search will ignore punctuation and  digits). The program will then print out the a list of the words that followed the letter 'a'. |
| 1. **Source Code File Name:** ITW2431\_L9\_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: 2.5** hours |
| 1. **The Output of Program Sample Run:** |
| 1. **Overall Learning Experience for the Problem:**   Regular expressions are still something I have yet to master but it will be worth the effort to learn. For this exercise I found the website Regex Tester <https://www.regextester.com> to be useful for playing with the regular expression on the test string until I got the desired results. |