

## Homework Assignment 9

Due Date: Monday, April 12, 2021 at 11:59 pm

**Total Points: 20 pts**

The purpose of this assignment to give you the opportunity to practice and apply the knowledge gained from today's class to solve real problems. This ultimately will allow you to learn how to write a python program to manipulate strings 😊

Please follow the instructions below to complete your assignment task:

1. Make sure you already have both python 3.5 + and/ or any IDE of your choice installed on your computer. If not, please refer to today's lecture slide and follow the instructions in url link on slide to download and install the software.
  - a. Write a *user-defined* function called **word\_order** that accepts the sequence of words separated by comma (given below) as input and prints the unique words in sorted form.  
**Word sequence (input):** apple, mango, carrot, apple, orange, mango, berry  
**Expected output:** apple, berry, carrot, mango, orange

Save the program file with the name **worder\_lastname.py**

- b. Write a user-defined function that accepts the string: '**Individual software engineering**' as its input and removes the characters which have *even* index values in the string. The program should print out the characters remaining after the characters with even index values have been removed. Save the program file with the name **even\_ind.py**
  - c. Take screenshots of the results displayed for your program in (a) and (b)above. Submit the screenshot along with your program files i.e., **worder\_lastname.py** and **even\_ind.py** in a zipped folder