**Spring 2023: CS5520**

**Neural Networks and Deep Learning - ICP-2**

**Name: Rithvik Sena Reddy Malepally**

**700737712**

<https://github.com/Rithvikreddy7277/RithvikSenareddyMalepally.git>

1. Write a program that takes two strings from the user: first\_name, last\_name. Pass these variables to fullname function that should return the (full name).

* For Example:
* First\_name = “your first name”, last\_name = “your last name”
* Full\_name = “your full name”
* Write function named “string\_alternative” that returns every other char in the full\_name string.

Str = “**G**o**o**d e**v**e**n**i**n**g”

Output: Go vnn

**Note: You need to create a function named “string\_alternative” for this program and call it from main function.**

Graphical user interface, text, application

Description automatically generated

2. Write a python program to find the wordcount in a file (input.txt) for each line and then print the output.

* 1. o Finally store the output in **output.txt** file.

Example:

**Input: a file includes two lines:**

Python Course

Deep Learning Course

**Output:**

Python Course

Deep Learning Course

Word\_Count:

Python: 1

Course: 2

Deep: 1

Learning: 1

Graphical user interface, text, application, Word

Description automatically generated

3. Write a program, which reads heights (inches.) customers into a list and convert these heights to centimeters in a separate list using:

1) Nested Interactive loop.

2) List comprehensions

**Example: L1: [150,155, 145, 148]**

**Output: [68.03, 70.3, 65.77, 67.13]**

