# Spring 2024: CS5720

# Neural Networks and Deep Learning - ICP-2

Sahithi Gunda

700745560

1. Write a program that takes two strings from the user: first\_name, last\_name. Pass these variables to full name function that should return the (full name). o For example: ▪ First\_name = “your first name”, last\_name = “your last name” ▪ Full\_name = “your full name” o Write function named “string\_alternative” that returns every other char in the full\_name string. Str = “Good evening” Output: Go vnn

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

A screenshot of a computer

Description automatically generated

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

A screenshot of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated

3. Write a program, which reads heights (inches.) of 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]

A screenshot of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated