**Neural Networks and Deep Learning - ICP-1**

**Git Link:** <https://github.com/SreeVaastava/NNDL_Ass_1>

**VideoLink:**

<https://drive.google.com/file/d/1siJUbWOA7C-jCovVUMhwlcf5UXfKcJQu/view?usp=sharing>

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). 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.

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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

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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]

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