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

Github link: https://github.com/sailikhit0920/Neural-Networks-assignment-1

Video link: https://www.loom.com/share/b18154673fd7456cadca71977c972292?sid=e195dd64-4cd7-4d76-a917-fe1c0c4593df

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”

A screenshot of a computer

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Explanation: Here I have created function which takes two parameters first name and last name which returns the concatenation of the two parameters

For the two parameters, we are asking the input from the user

The function is stored in a variable is later we are printing it out.

1. Write function named “string\_alternative” that returns every other char in the full\_name string. Str = “Good evening” Output: Go vnn

A white card with blue text

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Explanation: Here we are defining a function named string alternative that takes a single parameter.

Later we are initiatizing an empty string which will be used in the final result

We are iterating the string using the for loop and inside it if the index is divisible by 2 we are concatenating the string the empty string.

Later we are calling the function

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.

A screen shot of a computer code

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Explanation: Here we are opening an input file with read permissions and then splitting the line into words using whitespaces. Then we are opening a output file with write permissions, for each word i it writes the word and the word count.

1. 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

A screenshot of a computer

Description automatically generated

Explanation: first we are creating an empty array for heights in inches. Then we are taking input from the user. Using try and except it handles cases where the user does not enter a valid number. It catches the ValueError if the input cannot be converted to a float and prompts the user to enter a valid number. Then we are converting it into centimeters and printing the output