NEURAL NETWORKS AND DEEP LEARNING

ASSIGNMENT – 2

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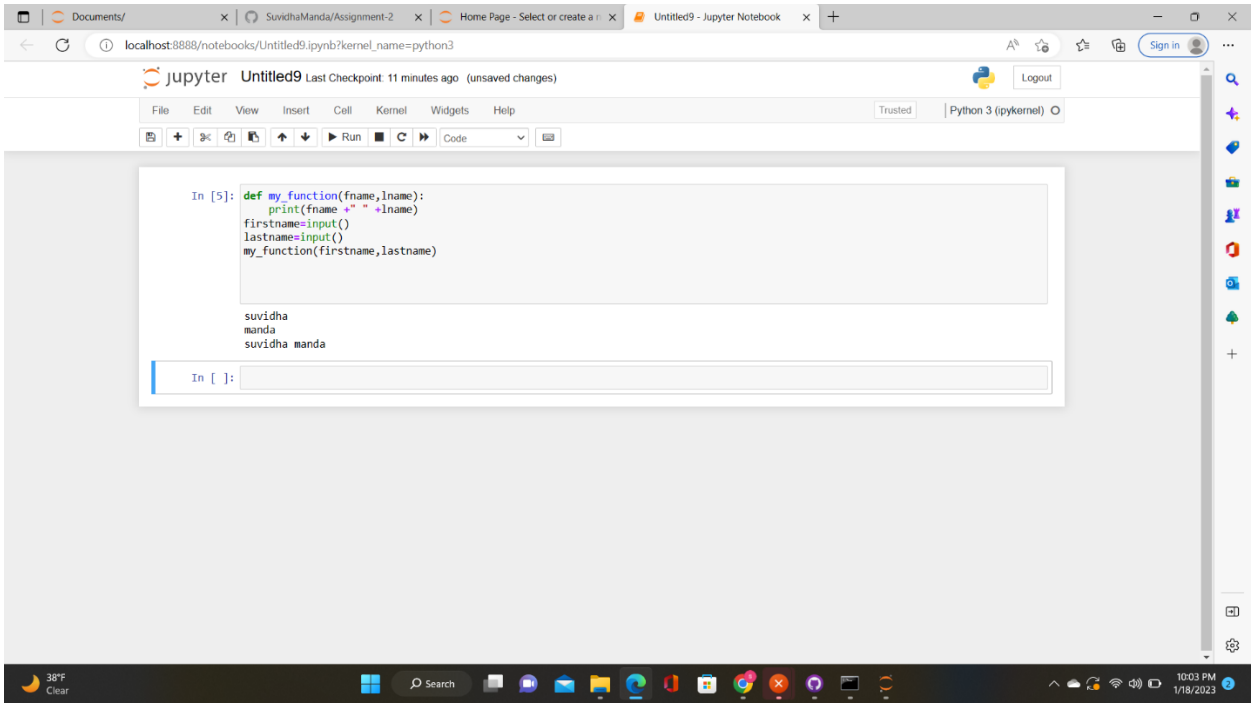
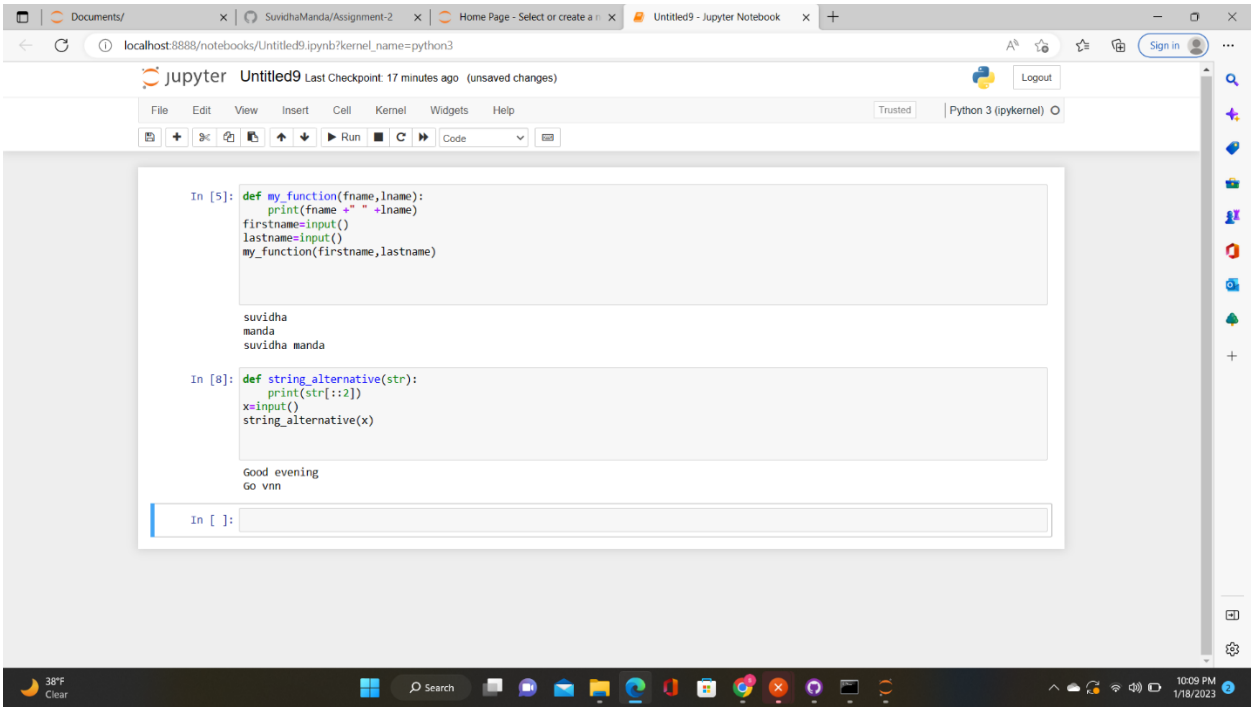
1. Write a program that takes two strings from the user: first_name, last_name. Pass these variables to fullname function that should return the (full name).
   a. For example:
      - First_name = “your first name”, last_name = “your last name”
      - Full_name = “your full name”



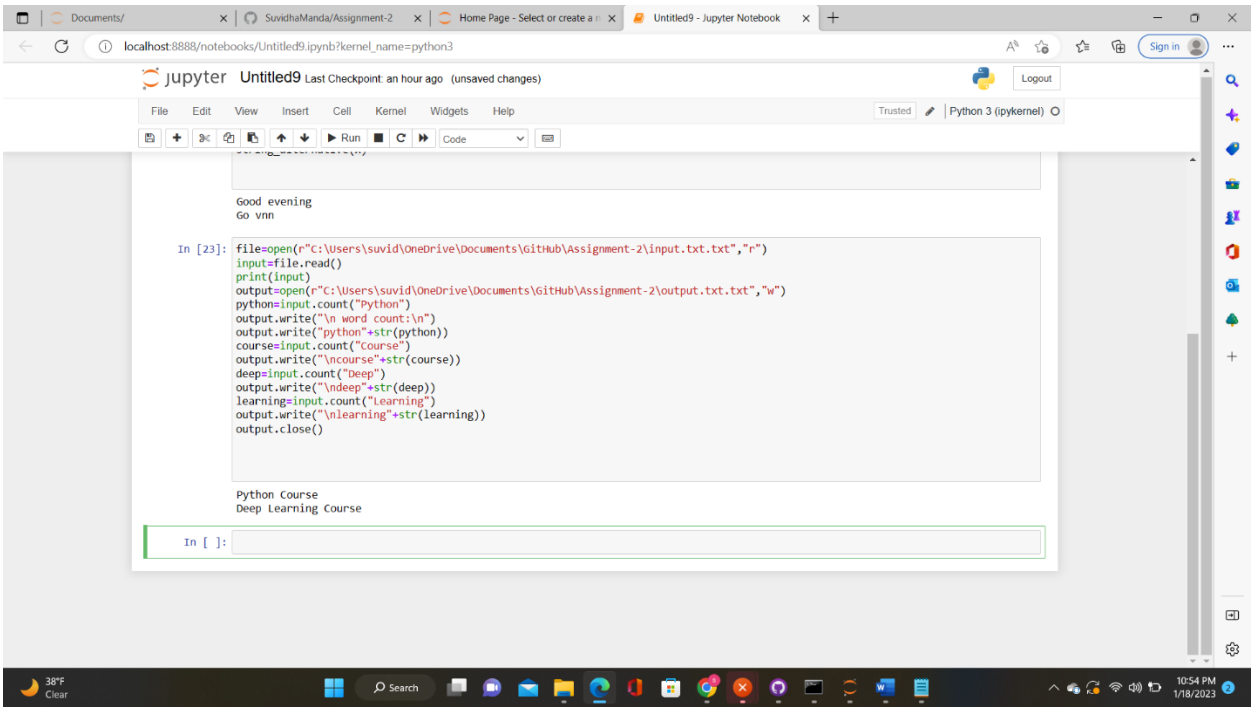
Here, I have created function name my_function, which is fname and lname and the console will print the ouput as fname + lname.
For example:
fname=Suvidha
Lname=manda
my_function(fname,lname) shows = Suvidha manda.

b. Write function named “string_alternative” that returns every other char in the full_name string.
Str = “Good evening”
Output: Go vnn



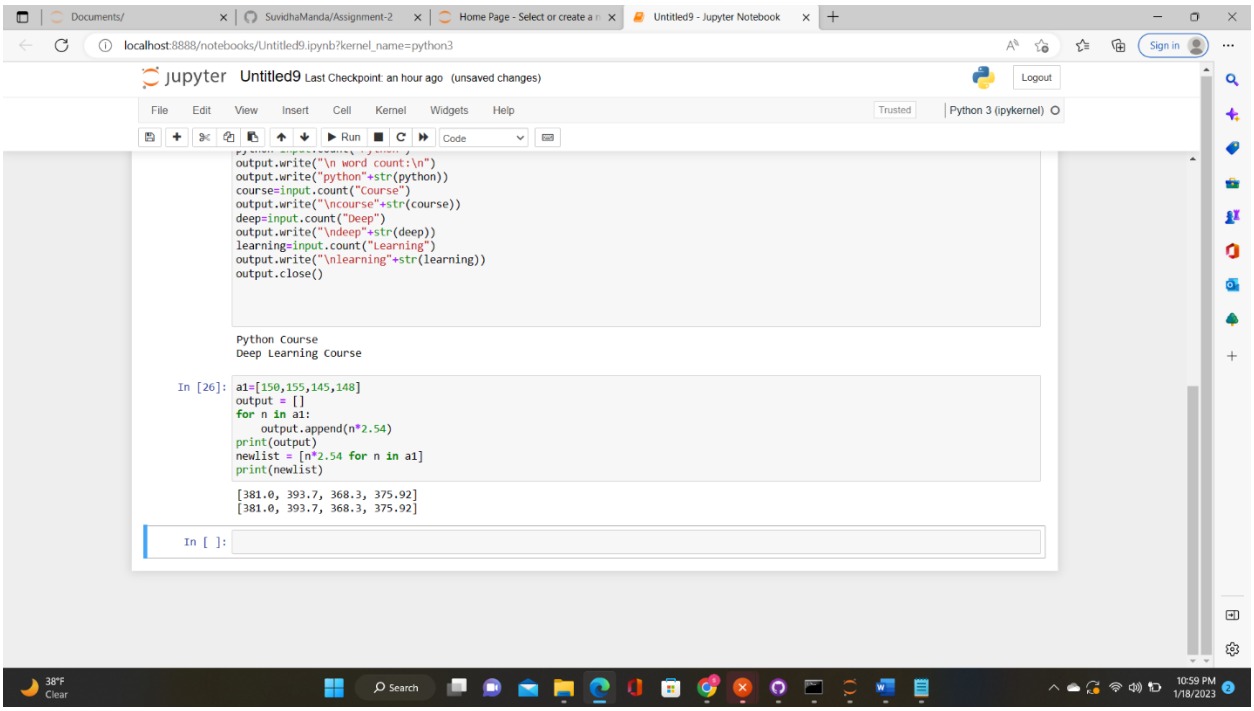
I have defined the function name “string_alternative” which will return every other character from the string.
For example:
Str = Suvidha
Svda.

2. Write a python program to find the wordcount in a file (input.txt) for each line and then print the output. Finally store the output in output.txt file.
Example:
Input:
a file includes two lines:
Python Course
Deep Learning Course



Here I have given a function name as file and as specified I have created a input text file and output text file. Where it contains the word count of the given data. Which is:
Python course
Deep learning course.
As specified in the output it clearly shows the word count of python as 1, course as 2, deep as 1 and learning as 1. Thereby it satisifies the given condition.

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]



I have written the code which read the height in inches and converts the height in inches to centimeters. The given set of values [150,155,145,148] in inches will be converted to [381.0,393.7,368.3,375.92] in centimeters using the nested interactive loop.

Git repo link : https://github.com/SuvidhaManda/Assignment-2.git