Spring 2024: CS5720 Neural Networks & Deep Learning -ICP2
SAssignment-2
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Video Link:
https://drive.google.com/file/d/17wletDHRn6POuN1Z049q9MPA9oKGv6zP/view?usp=drive_link

GitHub Link: https://github.com/mahendrasrirambetha/NN_Assignment2.git

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.

main.py
```
#Function to take two strings from the user
def fullname(first_name,last_name):
    return first_name+" "+last_name

#Function that returns every other char in the full_name string
def string_alternative(str):
    return str[::2]

#taking input and assigning to variables
First_name = input("your first name : ")
last_name = input("your last name : ")

#Calling fullname function
Full_name= fullname(First_name,last_name)

#Printing Full Name
print("Full Name: "+Full_name)

#Calling string_alternative and printing the same
print(string_alternative(Full_name))

```

input
```
your first name : Mahendra
your last name : Sriram
Full Name: Mahendra Sriram
Mhnr rrm


...Program finished with exit code 0
Press ENTER to exit console.
```

2. 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.

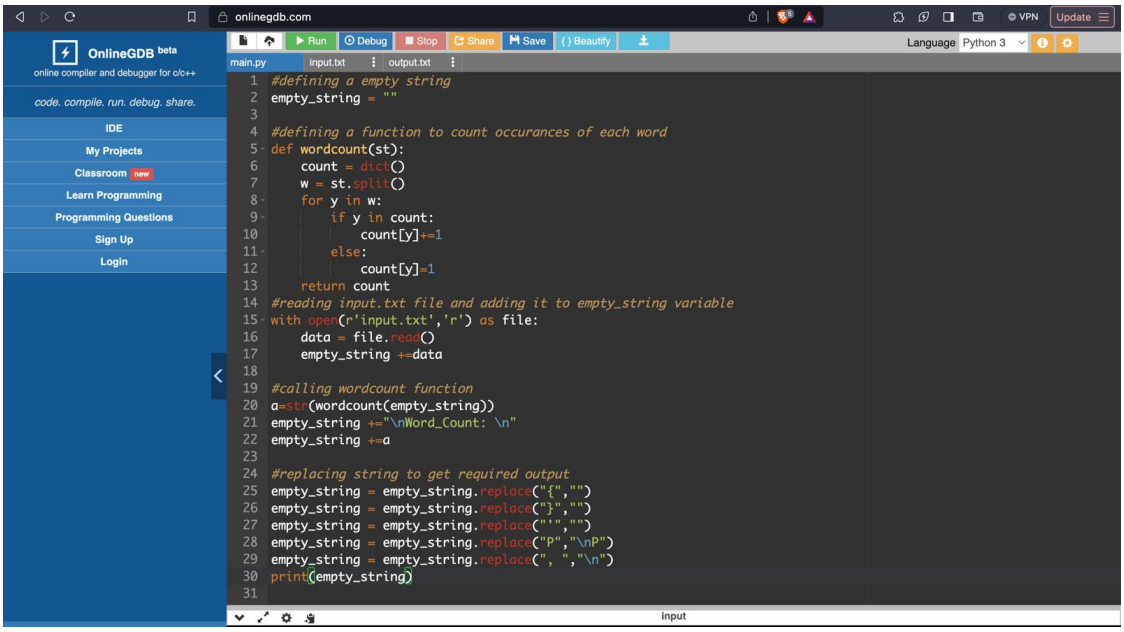
Example:

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



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]