https://github.com/HemanthLakkimsetti76/NN_Assignment2/blob/main/Assignment2.ipynb

Neural Network Deep Learning

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).

```
[5]: #QUESTION 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)

print("Please enter FirstName:")
First_name = input();
print("Please enter LastName:")
last_name = input();

class Name:

    def Fullname(self, FirstName, LastName):
        Full_name = FirstName + " " + LastName
        return Full_name

    def string_alternative(self, Full_name):
        output = ''
        for i in range(len(Full_name)):
            if (i % 2 == 0):
                output = output + Full_name[i]
        print(output)


def main():
    Objname = Name()
    print(Objname.Fullname(First_name, last_name))
    Objname.string_alternative(Objname.Fullname(First_name, last_name))


if __name__ == "__main__":
    main()
```

```
Please enter FirstName:
 hemanth
Please enter LastName:
 lakkimsetti
hemanth lakkimsetti
hmnhlkisti
```

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.

```
[6]: #QUESTION 2

#find out the word count in a file and print it in the output file

from collections import Counter

with open('C://Users//kesha//.ipynb_checkpoints//Neural Networks//input.txt') as f:
    lines = f.read()
    list_words = (' '.join(lines.splitlines())).split()
    ar = str(dict(Counter(list_words)))
    with open('C://Users//kesha//.ipynb_checkpoints//Neural Networks//output.txt', 'w') as s:
        s.write(ar)
```

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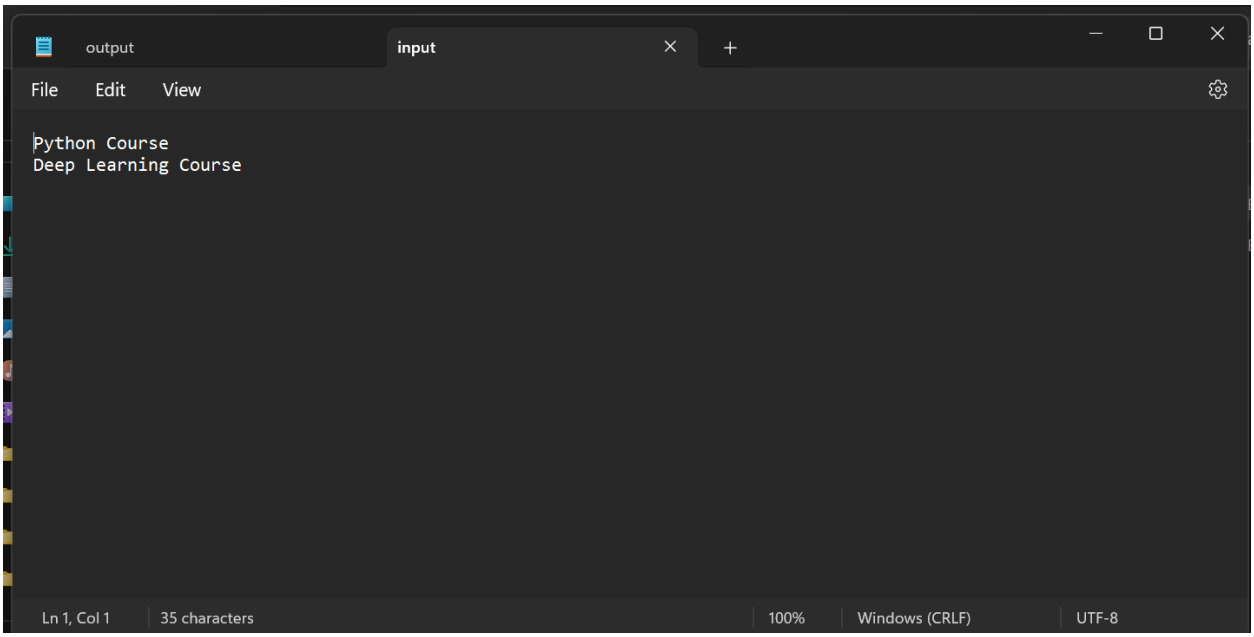

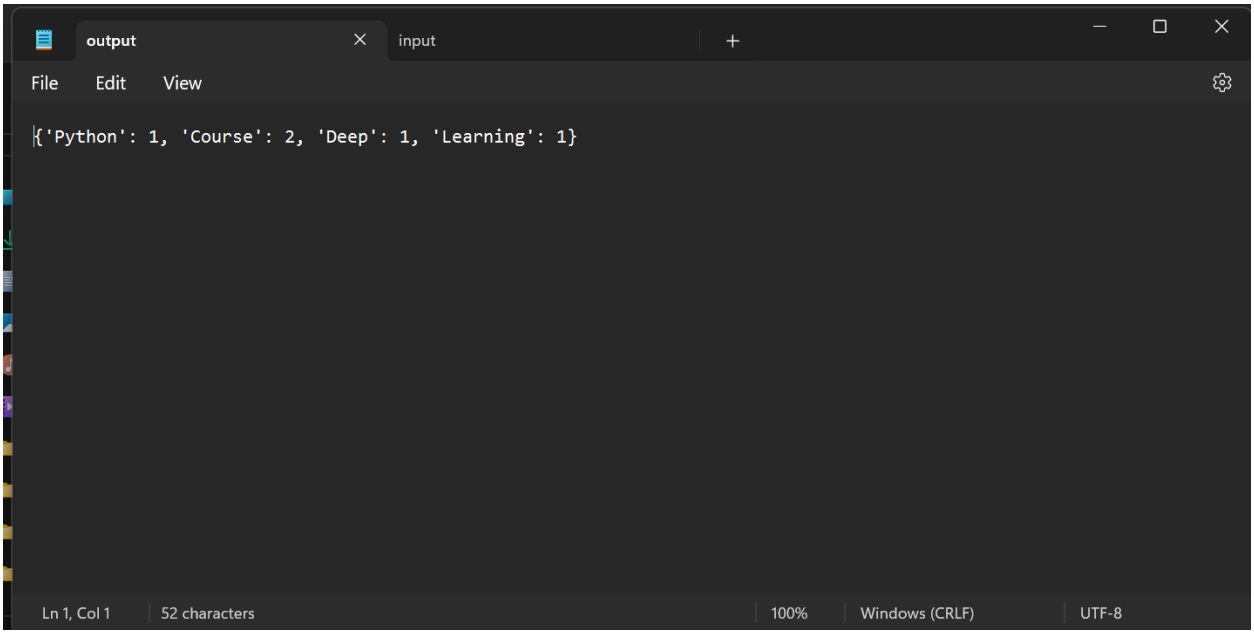

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3.Write a program, which reads heights (inches.) of customers into a list and convert these heights to centimeters in a separate list using: 1) Nested Interactive loop. 2) List comprehensions

[4]:
```
#QUESTION 3

#read the heights in inches and convert them into centimeters and store them in a seperate list
def inchestocentimeters():
    list1 = [150, 155, 145, 148]
    list2 = []
    for i in list1:
        list2.append(float(i * 2.54))
    print(list2)


inchestocentimeters()
```

```
[381.0, 393.7, 368.3, 375.92]
```