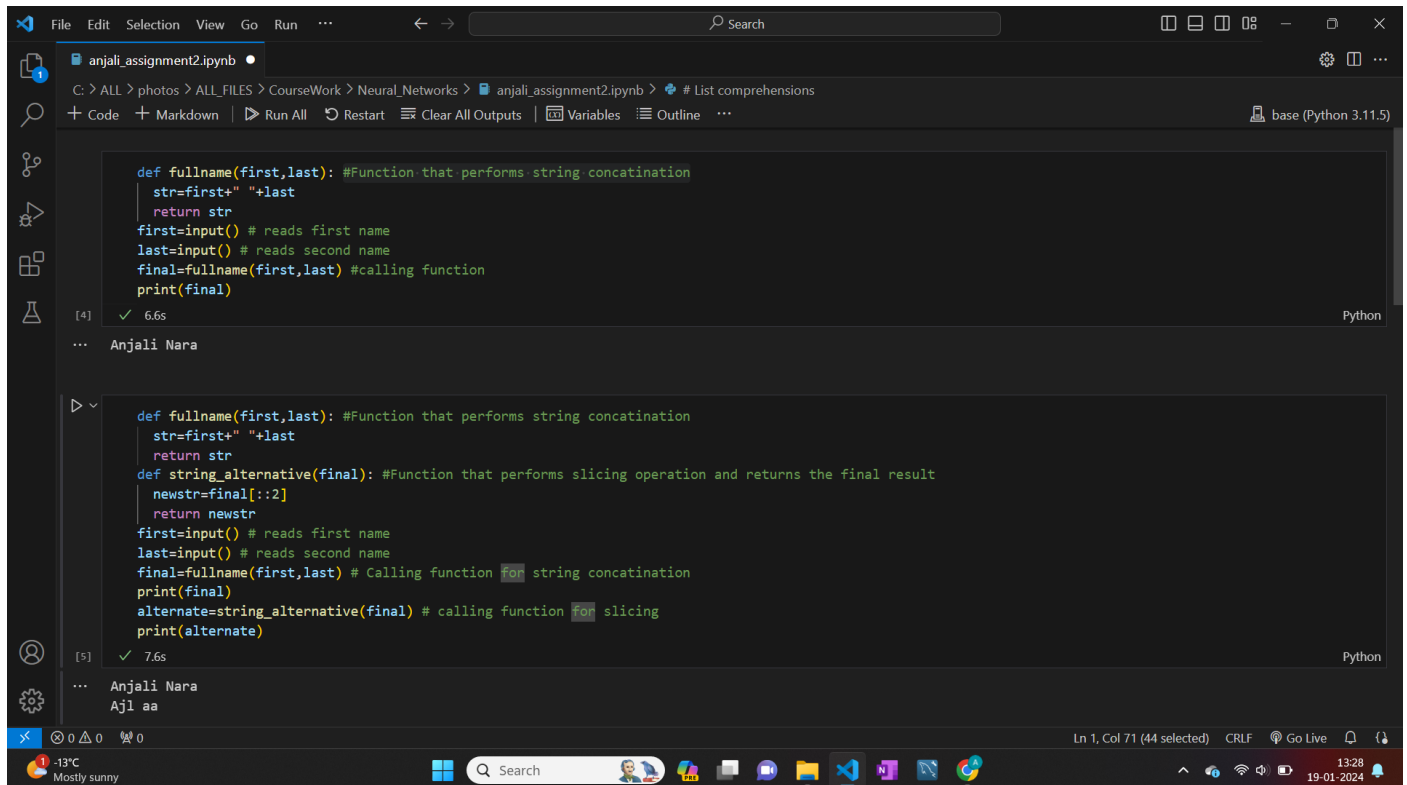


Github link: <https://github.com/naraanjali/Neural-Assignment-2/tree/main>

Video link: <https://drive.google.com/file/d/16jzUHF2uW3VfOc7iQGMmMCHGgOPjeK-v/view?usp=sharing>



```
def fullname(first,last): #Function that performs string concatenation
    str=first+" "+last
    return str
first=input() # reads first name
last=input() # reads second name
final=fullname(first,last) #calling function
print(final)
```

[4] ✓ 6.6s Python

... Anjali Nara

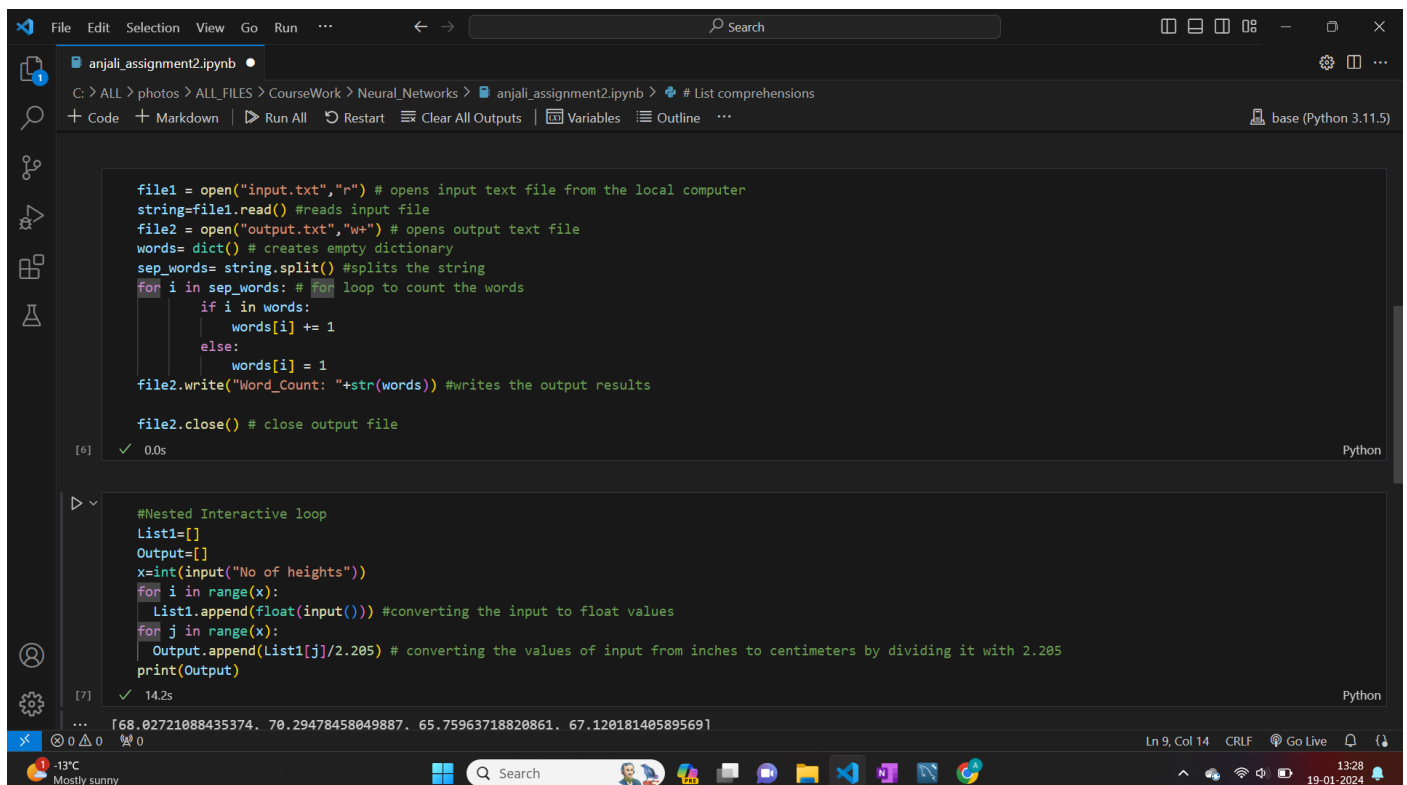
```
def fullname(first,last): #Function that performs string concatenation
    str=first+" "+last
    return str
def string_alternative(final): #Function that performs slicing operation and returns the final result
    newstr=final[::-2]
    return newstr
first=input() # reads first name
last=input() # reads second name
final=fullname(first,last) # Calling function for string concatenation
print(final)
alternate=string_alternative(final) # calling function for slicing
print(alternate)
```

[5] ✓ 7.6s Python

... Anjali Nara
Ajl aa

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```
file1 = open("input.txt","r") # opens input text file from the local computer
string=file1.read() #reads input file
file2 = open("output.txt","w+") # opens output text file
words= dict() # creates empty dictionary
sep_words= string.split() #splits the string
for i in sep_words: # for loop to count the words
    if i in words:
        words[i] += 1
    else:
        words[i] = 1
file2.write("Word_Count: "+str(words)) #writes the output results

file2.close() # close output file
```

[6] ✓ 0.0s Python

```
#Nested Interactive loop
List1=[]
Output=[]
x=int(input("No of heights"))
for i in range(x):
    List1.append(float(input())) #converting the input to float values
for j in range(x):
    Output.append(List1[j]/2.205) # converting the values of input from inches to centimeters by dividing it with 2.205
print(Output)
```

[7] ✓ 14.2s Python

... [68.02721088435374, 70.29478458049887, 65.75963718820861, 67.12018140589569]

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anjali_assignment2.ipynb

C: > ALL > photos > ALL_FILES > CourseWork > Neural_Networks > anjali_assignment2.ipynb > # List comprehensions

+ Code + Markdown ▶ Run All ↺ Restart ☰ Clear All Outputs | 📄 Variables 📄 Outline ...

base (Python 3.11.5)

#Nested Interactive loop
List1=[]
Output=[]
x=int(input("No of heights"))
for i in range(x):
 List1.append(float(input())) #converting the input to float values
for j in range(x):
 Output.append(List1[j]/2.205) # converting the values of input from inches to centimeters by dividing it with 2.205
print(Output)

[7] ✓ 14.2sPython

... [68.02721088435374, 70.29478458049887, 65.75963718820861, 67.12018140589569]

List comprehensions
x=int(input())
List1=list(map(float, input().strip().split()))[:x]
converts each element to floating using float, check for white space using strip and splits the input into list using split and stores with input values
Output = [i /2.205 for i in List1] #converts each input value to centimeters and stores in output
print(Output)

[9] ✓ 11.8sPython

... [68.02721088435374, 70.29478458049887, 65.75963718820861, 67.12018140589569]

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