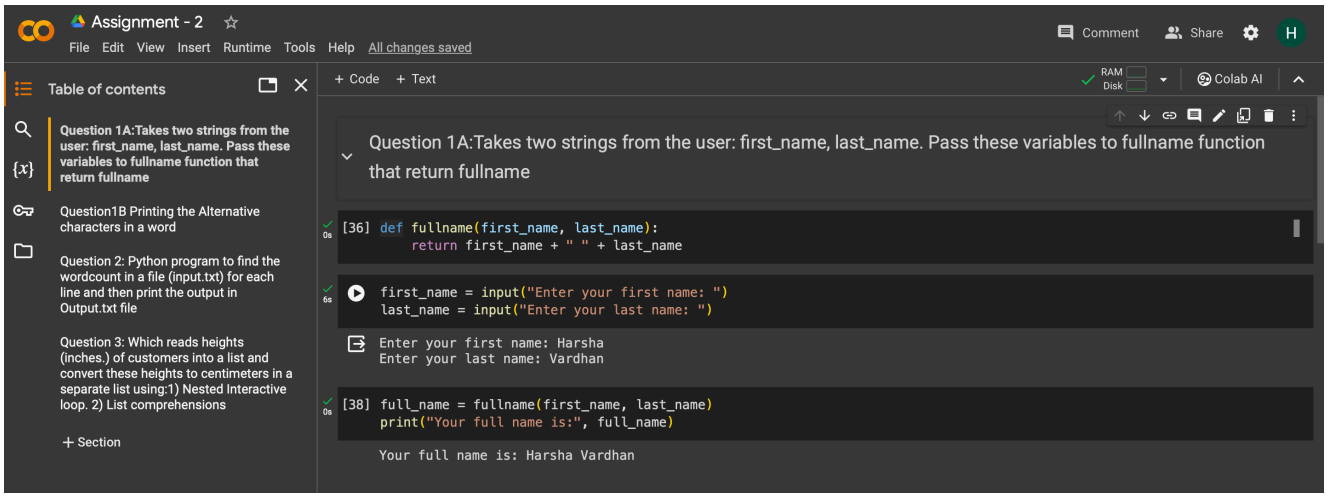
Neural Networks & Deep Learning Assignment-2

Harshavardhan Reddy Pattepur
700754833

Repository Link :
https://github.com/harshavardhanreddy27/Neural-Networks-Assignment---2

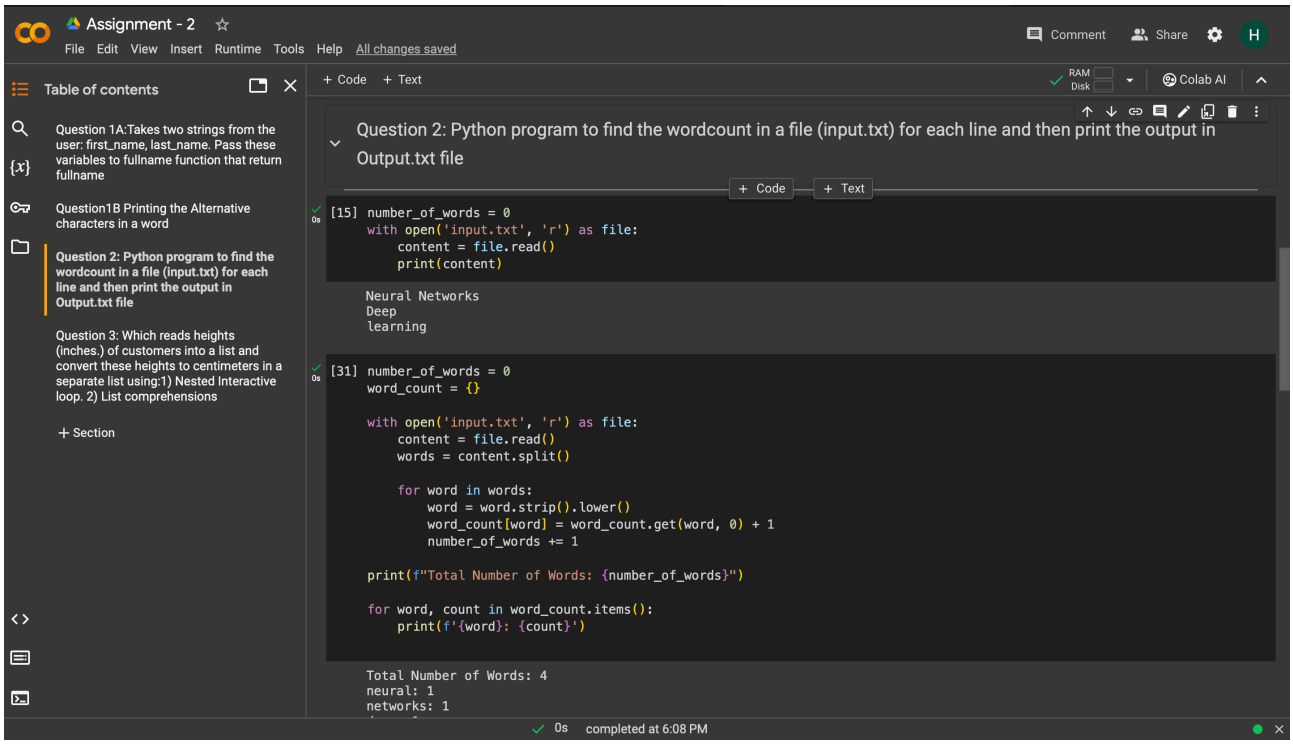
Video Link:
https://drive.google.com/file/d/1dCcL48Ytzz58vt5CcqbW2ZZEoVZhpcv2/view?usp=share_link

Code Screenshots: Question:1A

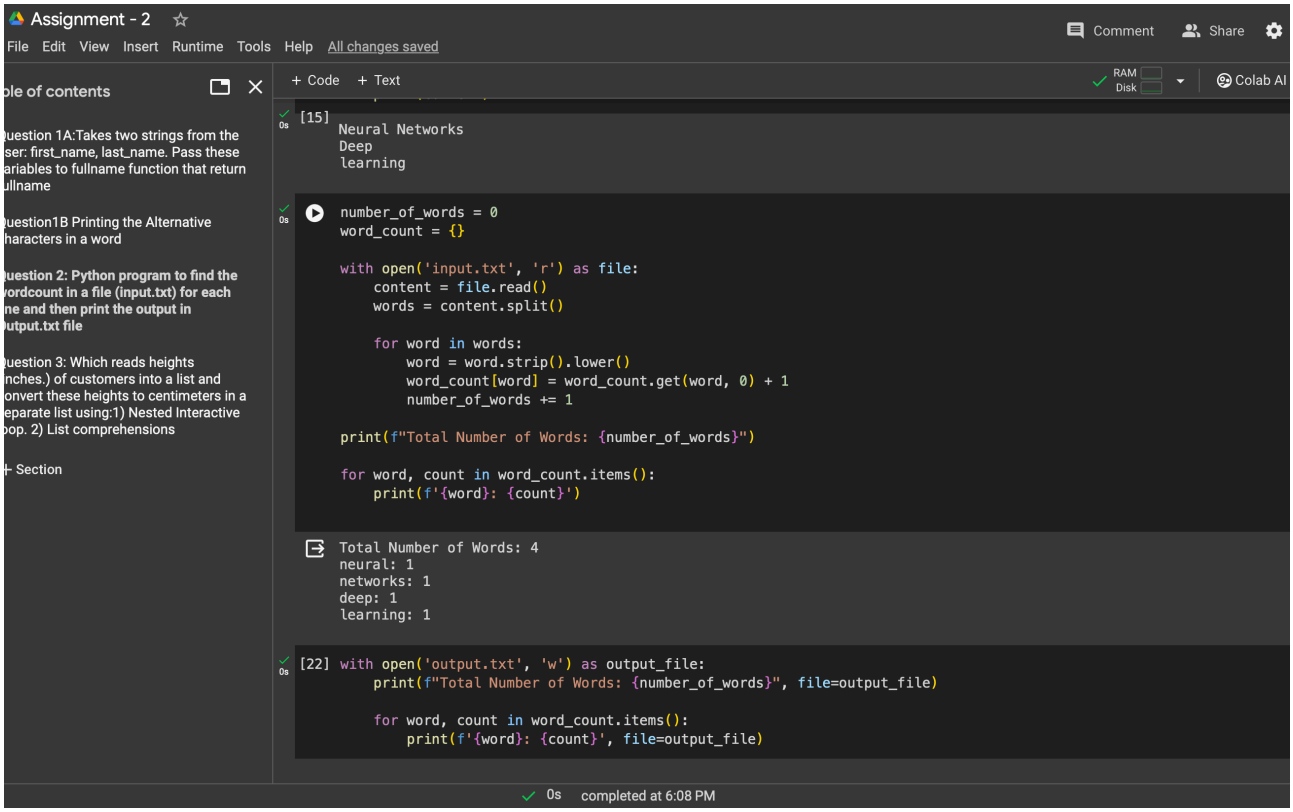


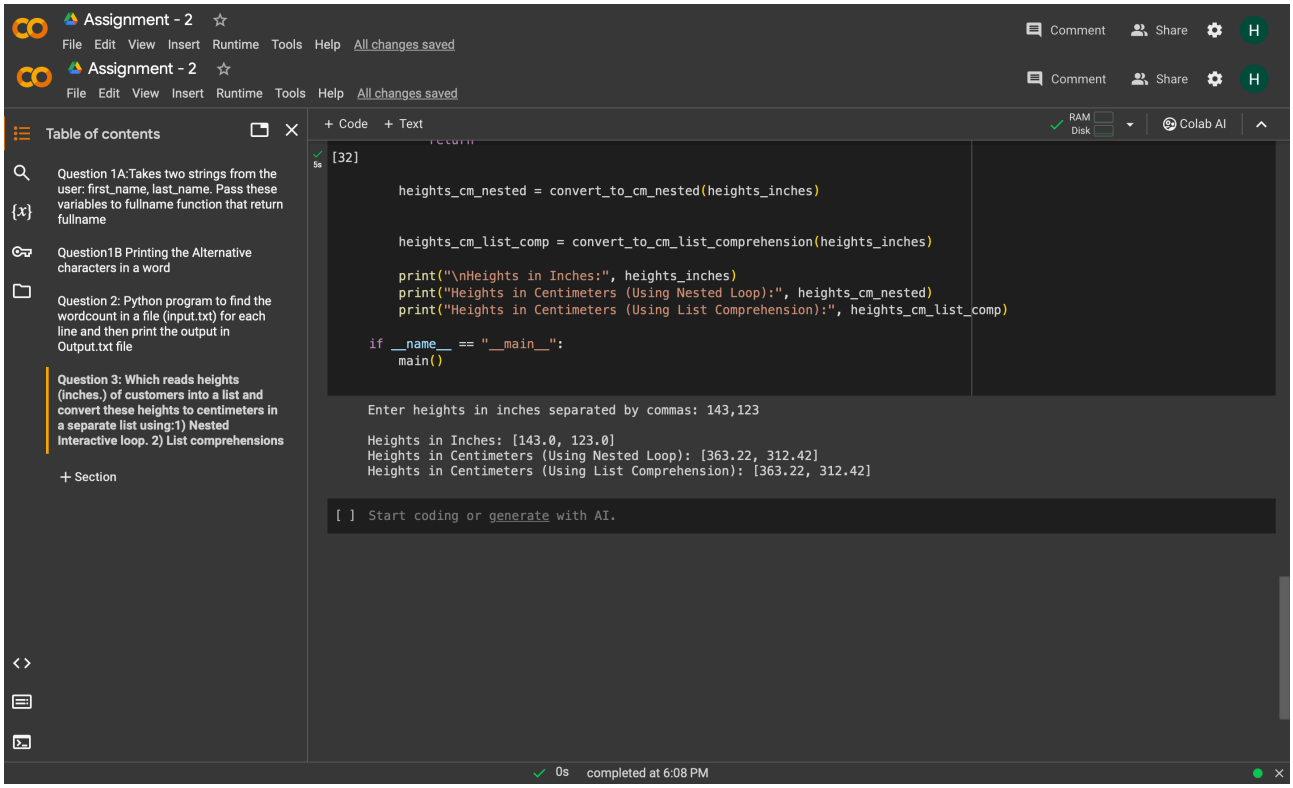
Question 1B:-

Question 2:-


Assignment - 2
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
Table of contents
+ Code
+ Text
Colab AI
Question 1A:Takes two strings from the user: first_name, last_name. Pass these variables to fullname function that return fullname
Question1B Printing the Alternative characters in a word
Question 2: Python program to find the wordcount in a file (input.txt) for each line and then print the output in Output.txt file
Question 3: 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
+ Section
Question 2: Python program to find the wordcount in a file (input.txt) for each line and then print the output in Output.txt file
[15] number_of_words = 0
with open('input.txt', 'r') as file:
content = file.read()
print(content)
Neural Networks
Deep
learning
[31] number_of_words = 0
word_count = {}
with open('input.txt', 'r') as file:
content = file.read()
words = content.split()
for word in words:
word = word.strip().lower()
word_count[word] = word_count.get(word, 0) + 1
number_of_words += 1
print(f"Total Number of Words: {number_of_words}")
for word, count in word_count.items():
print(f'{word}: {count}')
Total Number of Words: 4
neural: 1
networks: 1
0s completed at 6:08 PM

Question 3:-


Assignment - 2
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
+ Code
+ Text
Colab AI
[15]
Neural Networks
Deep
learning
number_of_words = 0
word_count = {}
with open('input.txt', 'r') as file:
content = file.read()
words = content.split()
for word in words:
word = word.strip().lower()
word_count[word] = word_count.get(word, 0) + 1
number_of_words += 1
print(f"Total Number of Words: {number_of_words}")
for word, count in word_count.items():
print(f'{word}: {count}')
Total Number of Words: 4
neural: 1
networks: 1
deep: 1
learning: 1
[22] with open('output.txt', 'w') as output_file:
print(f"Total Number of Words: {number_of_words}", file=output_file)
for word, count in word_count.items():
print(f'{word}: {count}', file=output_file)
0s completed at 6:08 PM


Assignment - 2
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
H
Table of contents
Question 1A:Takes two strings from the user: first_name, last_name. Pass these variables to fullname function that return fullname
Question1B Printing the Alternative characters in a word
Question 2: Python program to find the wordcount in a file (input.txt) for each line and then print the output in Output.txt file
Question 3: 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
+ Section
+ Code
+ Text
RAM
Disk
Colab AI
[32]
heights_cm_nested = convert_to_cm_nested(heights_inches)
heights_cm_list_comp = convert_to_cm_list_comprehension(heights_inches)
print("\nHeights in Inches:", heights_inches)
print("Heights in Centimeters (Using Nested Loop):", heights_cm_nested)
print("Heights in Centimeters (Using List Comprehension):", heights_cm_list_comp)
if __name__ == "__main__":
main()
Enter heights in inches separated by commas: 143,123
Heights in Inches: [143.0, 123.0]
Heights in Centimeters (Using Nested Loop): [363.22, 312.42]
Heights in Centimeters (Using List Comprehension): [363.22, 312.42]
[ ] Start coding or generate with AI.
0s completed at 6:08 PM