ICP2

GITHUB LINK : https://github.com/venujala/700766038

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).
   - For example:
     - First_name = “your first name”, last_name = “your last name”
     - Full_name = “your full name” ○ 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.

```
+ Code + Text                                                    RAM Disk   ✦ Gemini

def fullname(first_name, last_name):
    full_name = first_name + " " + last_name
    return full_name

def string_alternative(full_name):
    # Extract every other character starting from index 0
    alternate_chars = full_name[::2]
    return alternate_chars

# Main program
if __name__ == "__main__":
    # Input from user
    first_name = input("Enter your first name: ")
    last_name = input("Enter your last name: ")

    # Get the full name
    full_name = fullname(first_name, last_name)
    print("Full Name:", full_name)

    # Get every other character in the full name
    alternate_string = string_alternative(full_name)
    print("Alternate characters:", alternate_string)

Enter your first name: Good
Enter your last name: Evening
Full Name: Good Evening
Alternate characters: Go vnn
```

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

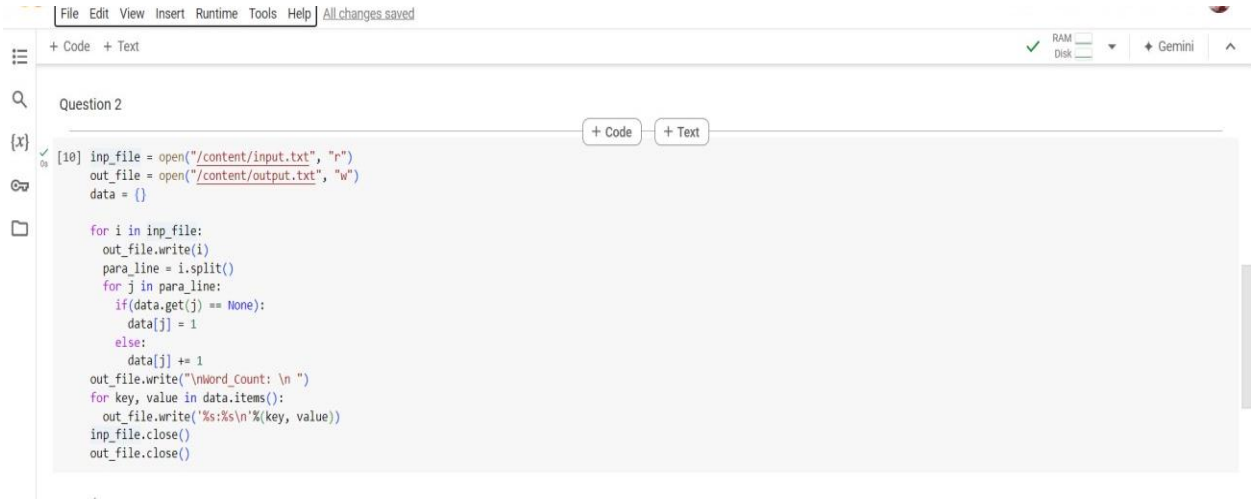
Output:

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]