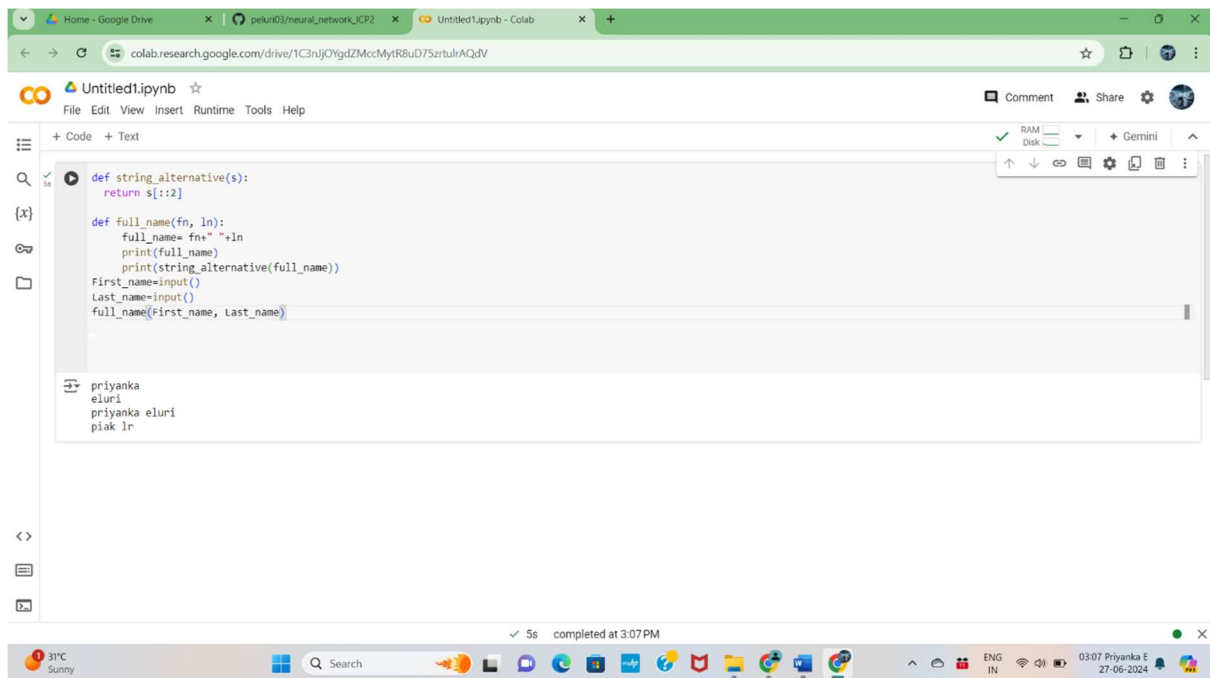


Name: Eluri Priyanka

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Github Link: https://github.com/peluri03/neural_network_ICP2

1)



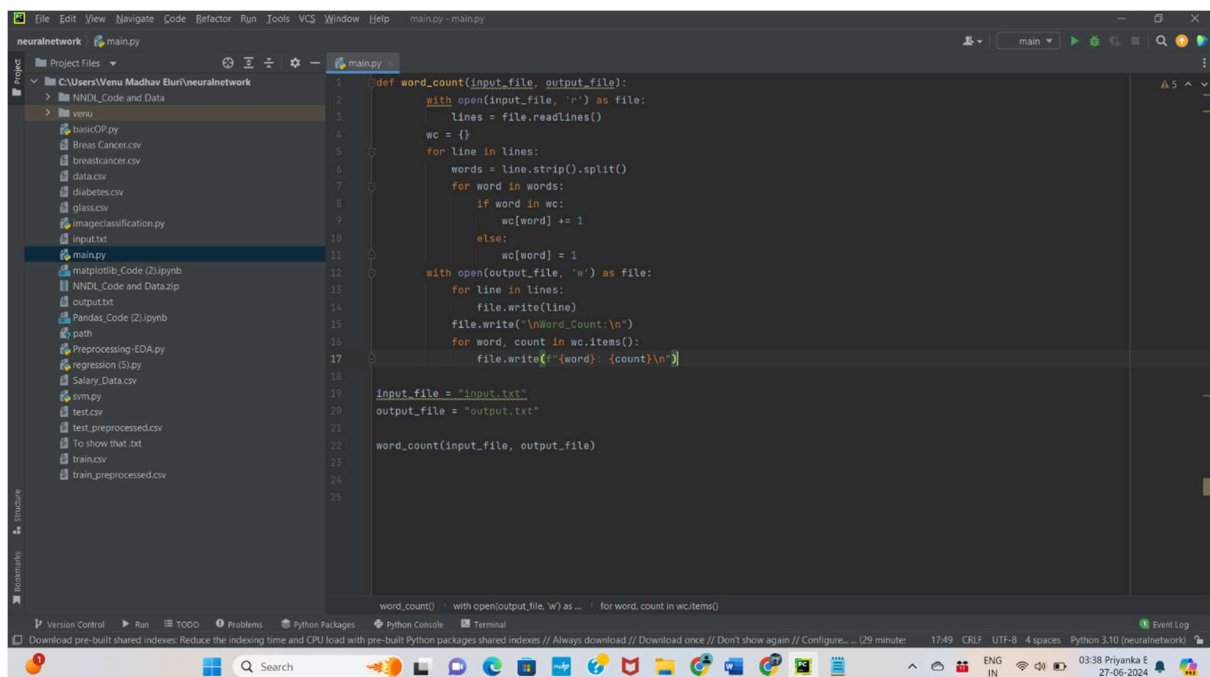
The screenshot shows a Google Colab notebook titled 'Untitled1.ipynb'. The code defines a function `string_alternative(s)` that returns the string `s` with its first two characters swapped. It then defines a function `full_name(fn, ln)` that concatenates first and last names with a space and prints the result. The notebook is executed, and the output shows the first and last names being entered as 'priyanka' and 'eluri' respectively, followed by the printed full name 'priyanka eluri'.

```
def string_alternative(s):  
    return s[::2]  
  
def full_name(fn, ln):  
    full_name= fn+" "+ln  
    print(full_name)  
    print(string_alternative(full_name))  
First_name=input()  
Last_name=input()  
full_name=full_name  
full_name=full_name
```

Output:

```
priyanka  
eluri  
priyanka eluri  
priyanka eluri
```

2)



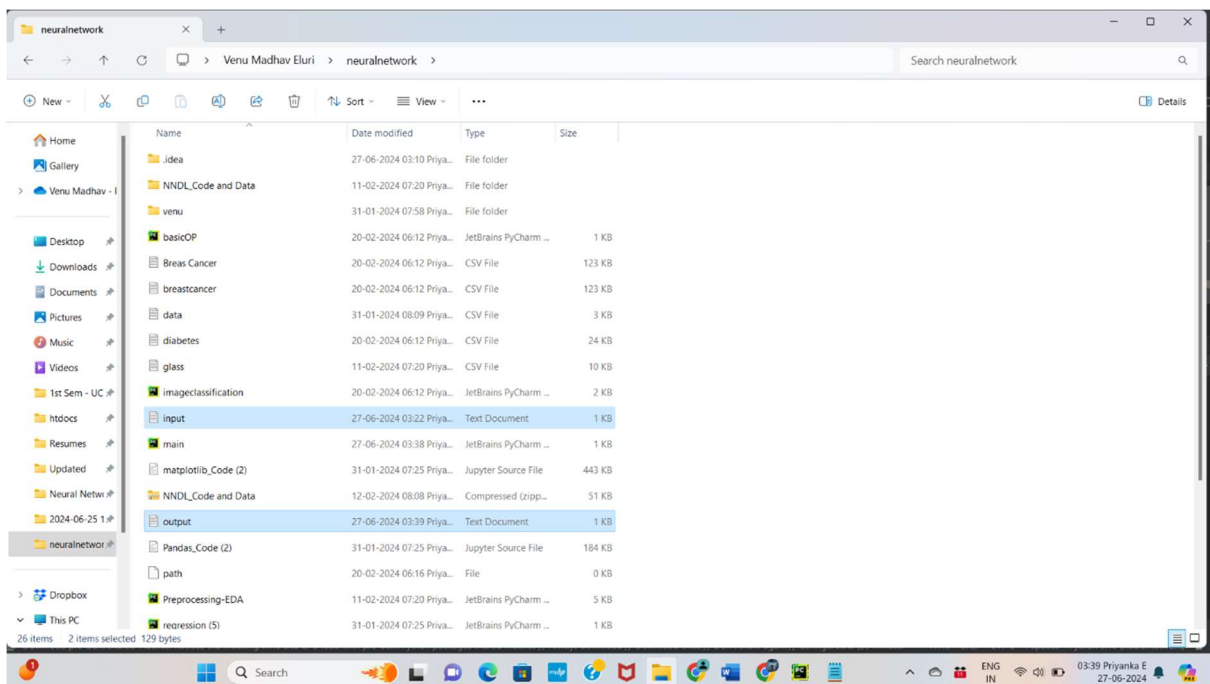
The screenshot shows an IDE window titled 'neuralnetwork' with a file named 'main.py'. The code defines a function `word_count(input_file, output_file)` that reads lines from the input file, counts the number of words in each line, and writes the word count to the output file. The function is then called with 'input.txt' as the input file and 'output.txt' as the output file.

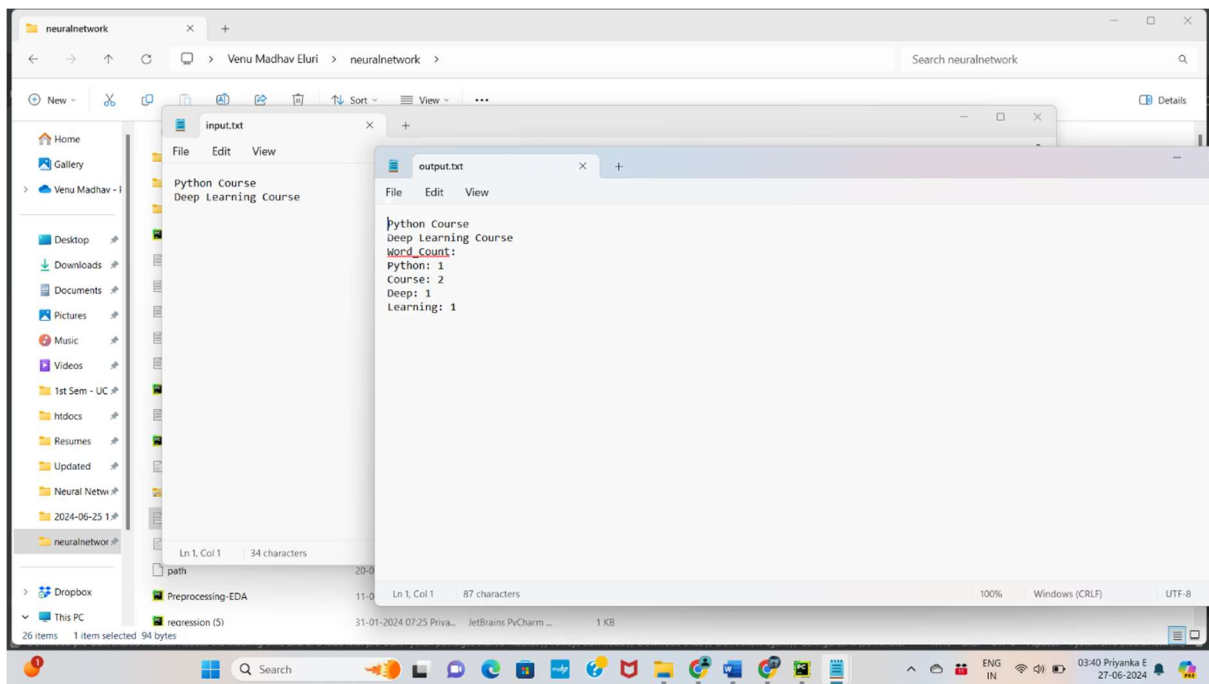
```
def word_count(input_file, output_file):  
    with open(input_file, 'r') as file:  
        lines = file.readlines()  
        wc = {}  
        for line in lines:  
            words = line.strip().split()  
            for word in words:  
                if word in wc:  
                    wc[word] += 1  
                else:  
                    wc[word] = 1  
    with open(output_file, 'w') as file:  
        for line in lines:  
            file.write(line)  
            file.write("\nWord Count:\n")  
            for word, count in wc.items():  
                file.write(f"{word}: {count}\n")  
  
input_file = "input.txt"  
output_file = "output.txt"  
  
word_count(input_file, output_file)
```

The screenshot shows the PyCharm IDE with a project named 'neuralnetwork'. The file explorer on the left shows the project structure, including folders like 'NNDL_Code and Data' and 'venu', and files like 'main.py', 'input.txt', and 'output.txt'. The main editor displays the following Python code in 'main.py':

```
12 with open(output_file, 'w') as file:
13     for line in lines:
14         file.write(line)
15     file.write("\nWord Count:\n")
16     for word, count in wc.items():
17         file.write(f'{word}: {count}\n')
18
19 input_file = "input.txt"
20 output_file = "output.txt"
21
22 word_count(input_file, output_file)
23
24
25
26 word_count() with open(output_file, 'w') as ... for word, count in wc.items()
```

The Run console at the bottom shows the command: `"C:/Users/Venu Madhav Eluri/neuralnetwork/venu/Scripts/python.exe" "C:/Users/Venu Madhav Eluri/neuralnetwork/main.py"` and the message: `Process finished with exit code 0`.





3)

