Task 2: Convert Data from Text Files into a Single CSV File

Objective:

You have been provided with multiple text files containing student names. Each text file includes names in the format `Last Name, First Name`, one name per line. Your task is to combine the data from all the text files into a single CSV file using Python and the `pandas` library. The final CSV should include two columns: `First Name` and `Last Name`.

Instructions:

1. **Preparation**:
   - Assume you have multiple text files (e.g., `students1.txt`, `students2.txt`, `students3.txt`) stored in a folder. Each file contains student names in the format:
   - `Smith, John`
   - `Doe, Jane`
   - `Johnson, Emily`
   - `...`
2. **Task Steps**:
   - Read the data from all the provided text files.
   - Split the full names (e.g., `Smith, John`) into two columns: `First Name` and `Last Name`.
   - Combine the data from all the text files into a single CSV file called `students.csv`.
3. **Expected Output**: Your final CSV file (`students.csv`) should look like this:
   - `First Name,Last Name`
   - `John,Smith`
   - `Jane,Doe`
   - `Emily,Johnson`
   - `...`

Technical Requirements:

1. **Libraries to Use**:
   - `pandas`: To handle the data.
   - `openpyxl`: For saving the CSV file (ensure its installed using the command below).
2. **Install Dependencies**:
   Run the following command in your terminal or IDE to install the necessary libraries:
3. `pip install pandas openpyxl`

Bonus Challenge:

If time permits, add the following enhancements:

1. **Error Handling**:
   o Handle cases where a file might have incorrectly formatted names (e.g., missing commas).
2. **Dynamic Output File Name**:
   o Allow the program to accept user input for the output CSV file name.
3. **Support for Subfolders**:
   o Update the script to process text files inside subfolders of the specified directory.

Task 2

Convert the data from the txt files into a single csv file. Following should be your output

Name	Last_Name
Hazel	Smith
vicky	Sharp
Nina	Clutton
Victoria	Smith
Simmon	Tattam
Rakhee	Shah
Ahmed	Mazhar
Aaron	Sabkat
Sabkat	Arshad
John	Snow
Taylor	Swift
Chris	Brown
Chambers	Aaron
Rob	Tattam

You need to use Pandas, openpyxl

Use the following to install openpyxl

```
pip install pandas openpyxl
```