ASSESSMENT - 14 | PYTHON - 07

*“FILE HANDLING : READ & WRITE IN CSV FILE”*



Submitted By

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**Date :** 19-12-2023 | **Day 14**

**Week 3** | **Day - 02**

**FILE HANDLING IN PYTHON :**

* File handling is a process of dealing with files containing data.
* We can read, write update the content of a file using python language, modules and libraries,

**CSV FILES :**

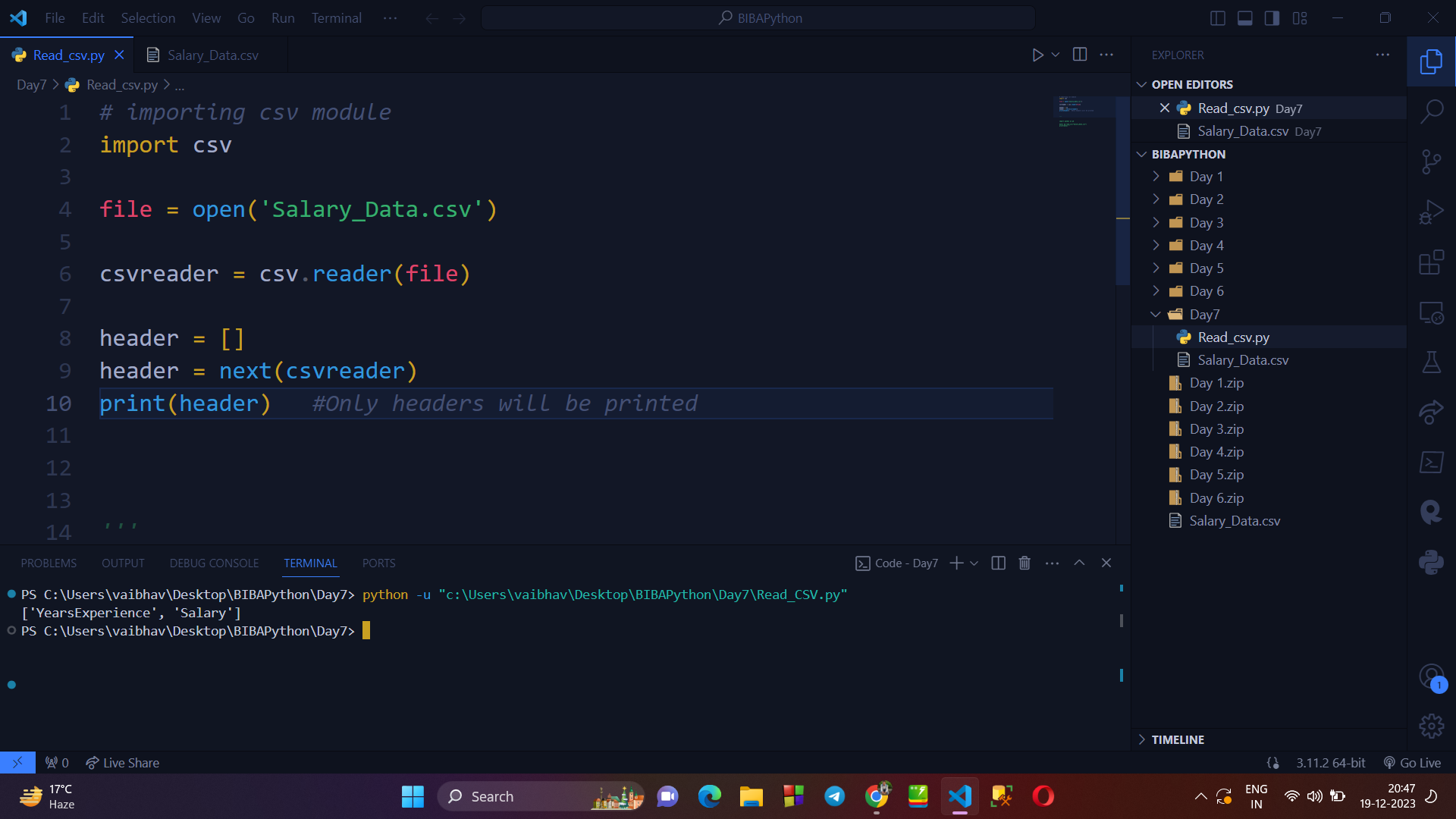
* Full form of CSV is “Comma Separated Values”.
* In this type of files data is stored in tabular form.
* Data is stored in CSV file for better readability, easy understanding and faster processing.

**Different Methods to Read a CSV File in Python :**

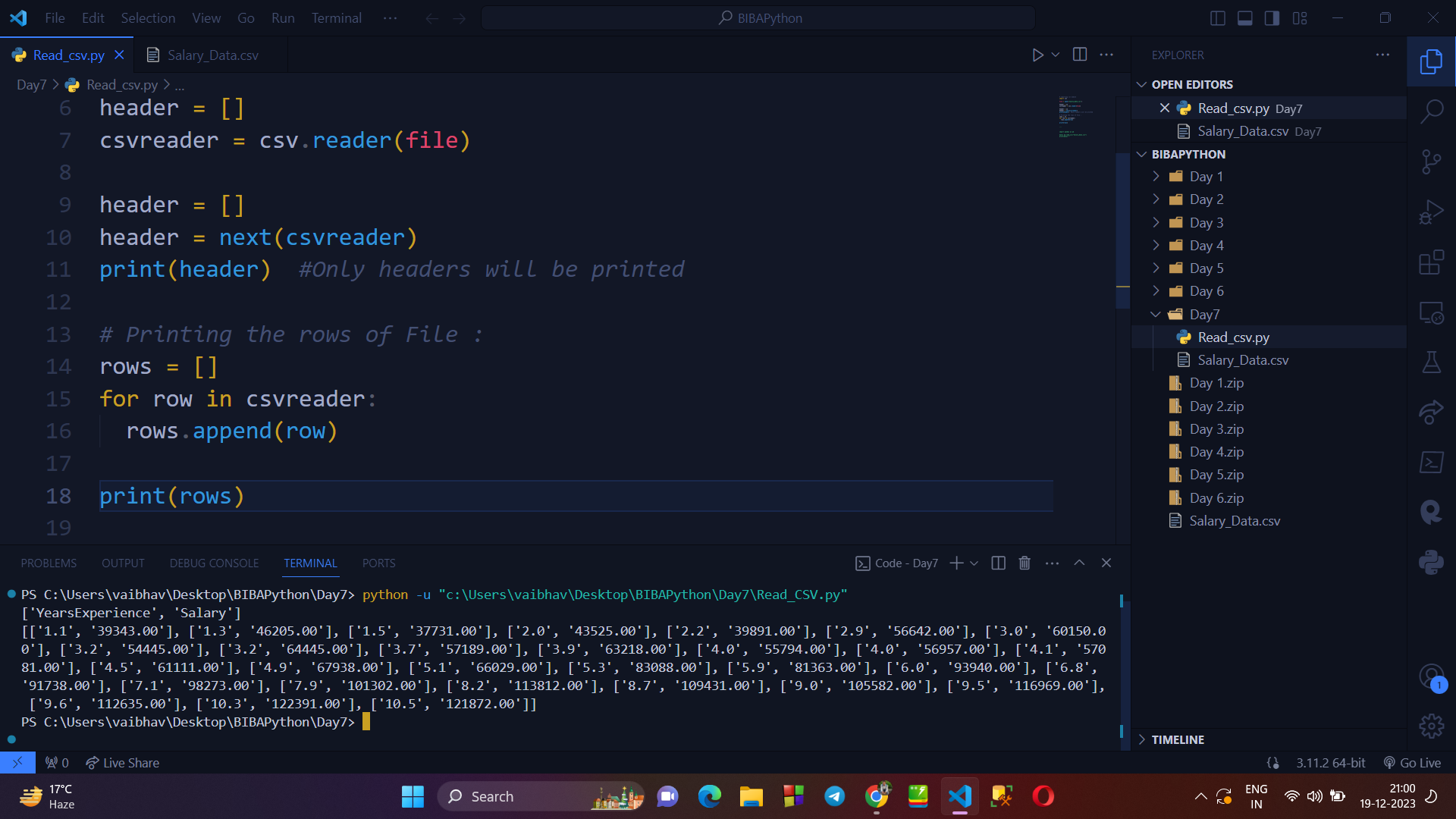
1. Read CSV file using csv.reader
2. Read CSV file using .readlines() function
3. Read CSV file using Pandas
4. Read CSV file using csv.DictReader

**→ Writing program to read a CSV File using csv.reader() :**

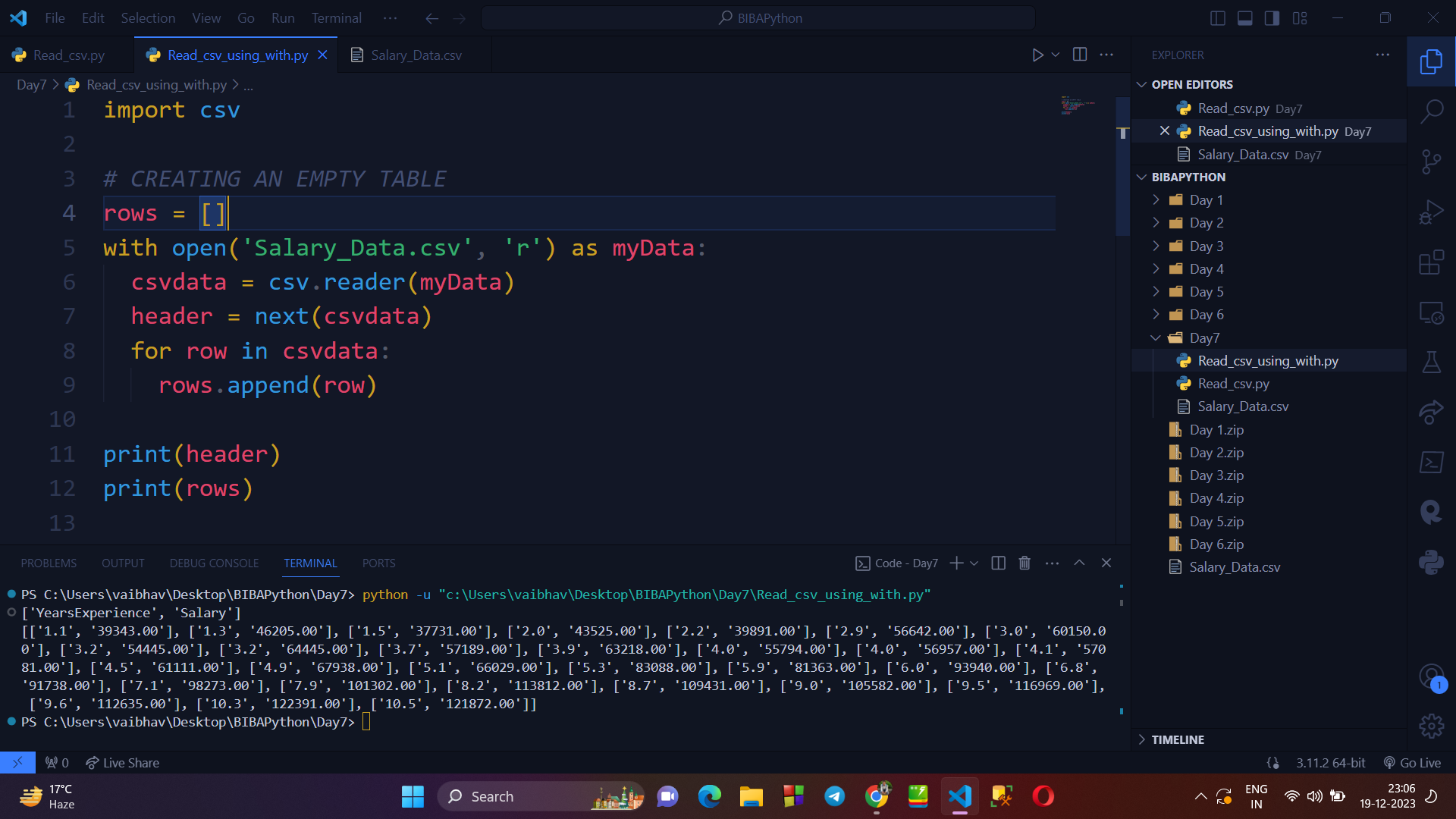
**>First, printing the headers of the CSV file:**

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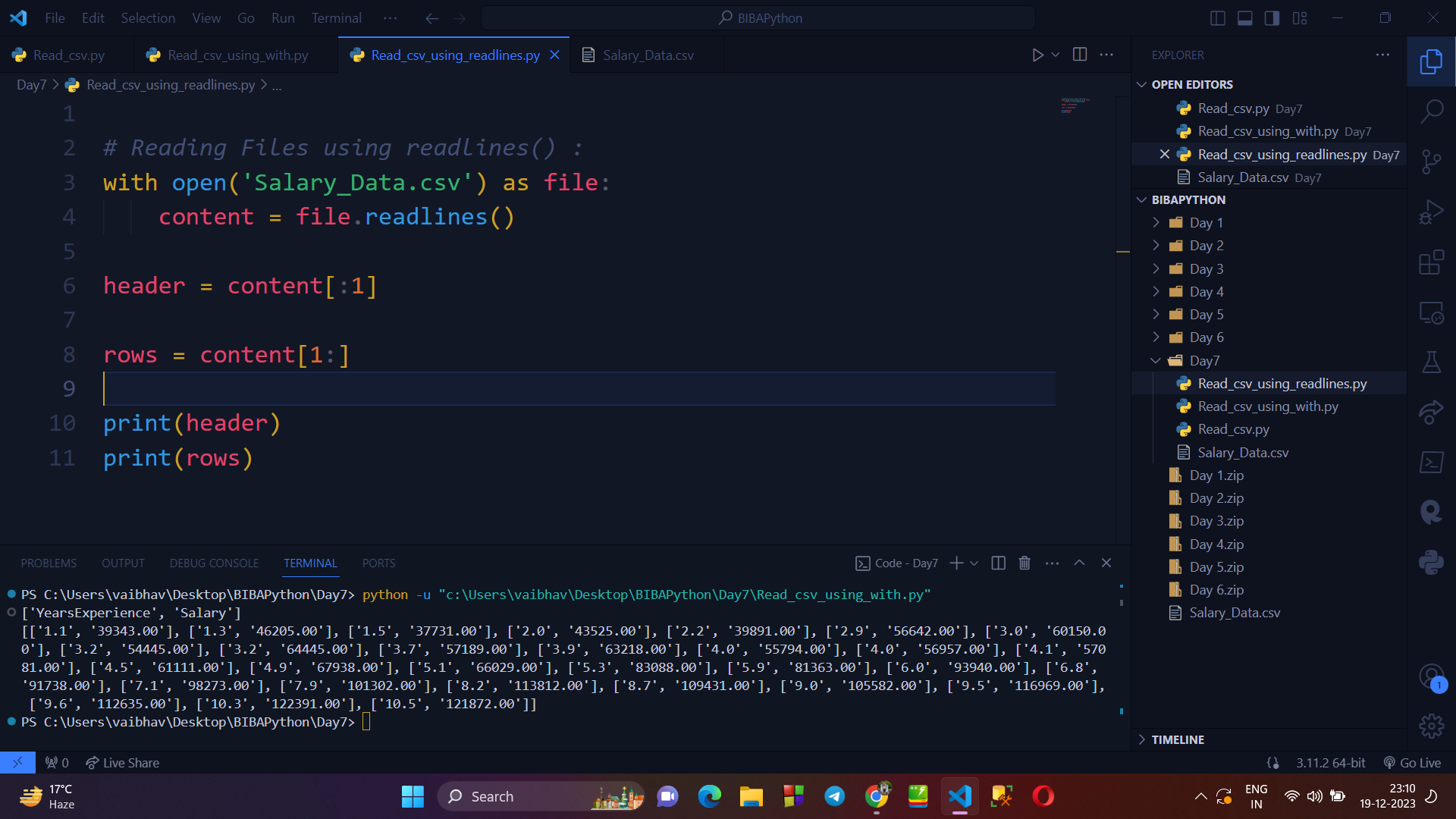
**>Printing the rows / content of the csv file :**

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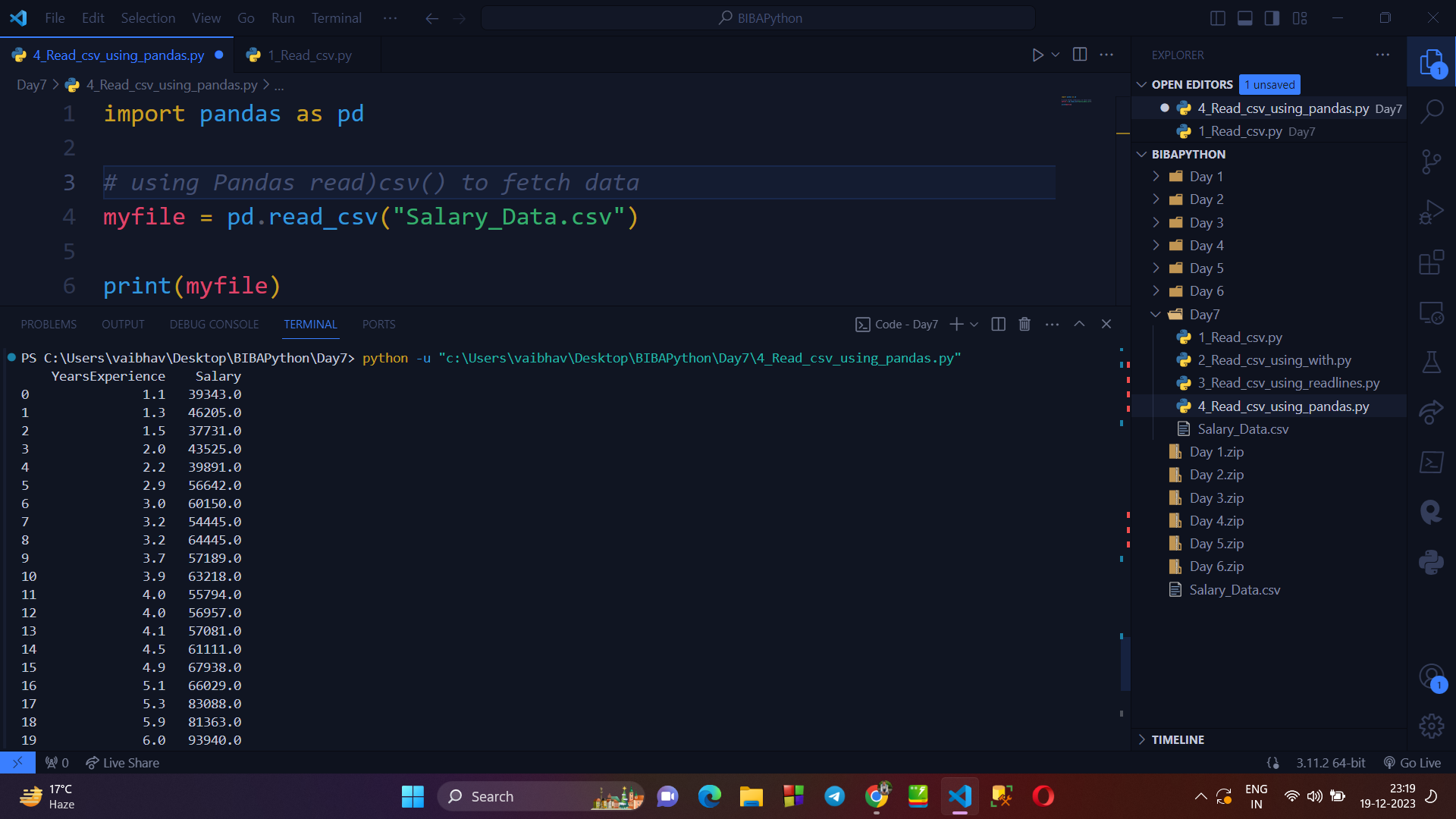
**→ Writing program to read a CSV File using WITH OPEN():**

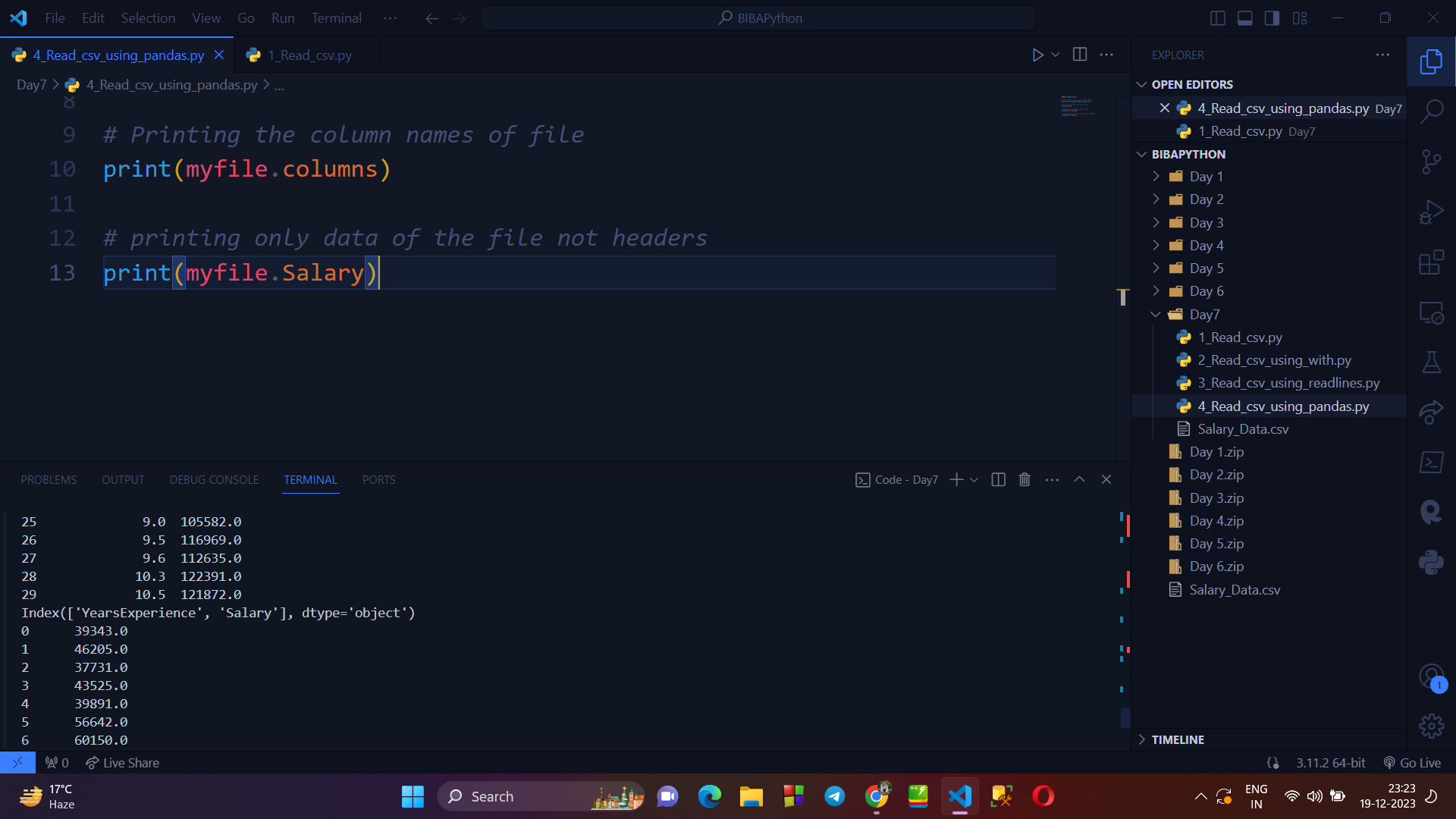
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**→ Writing program to read csv file using readlines() :**

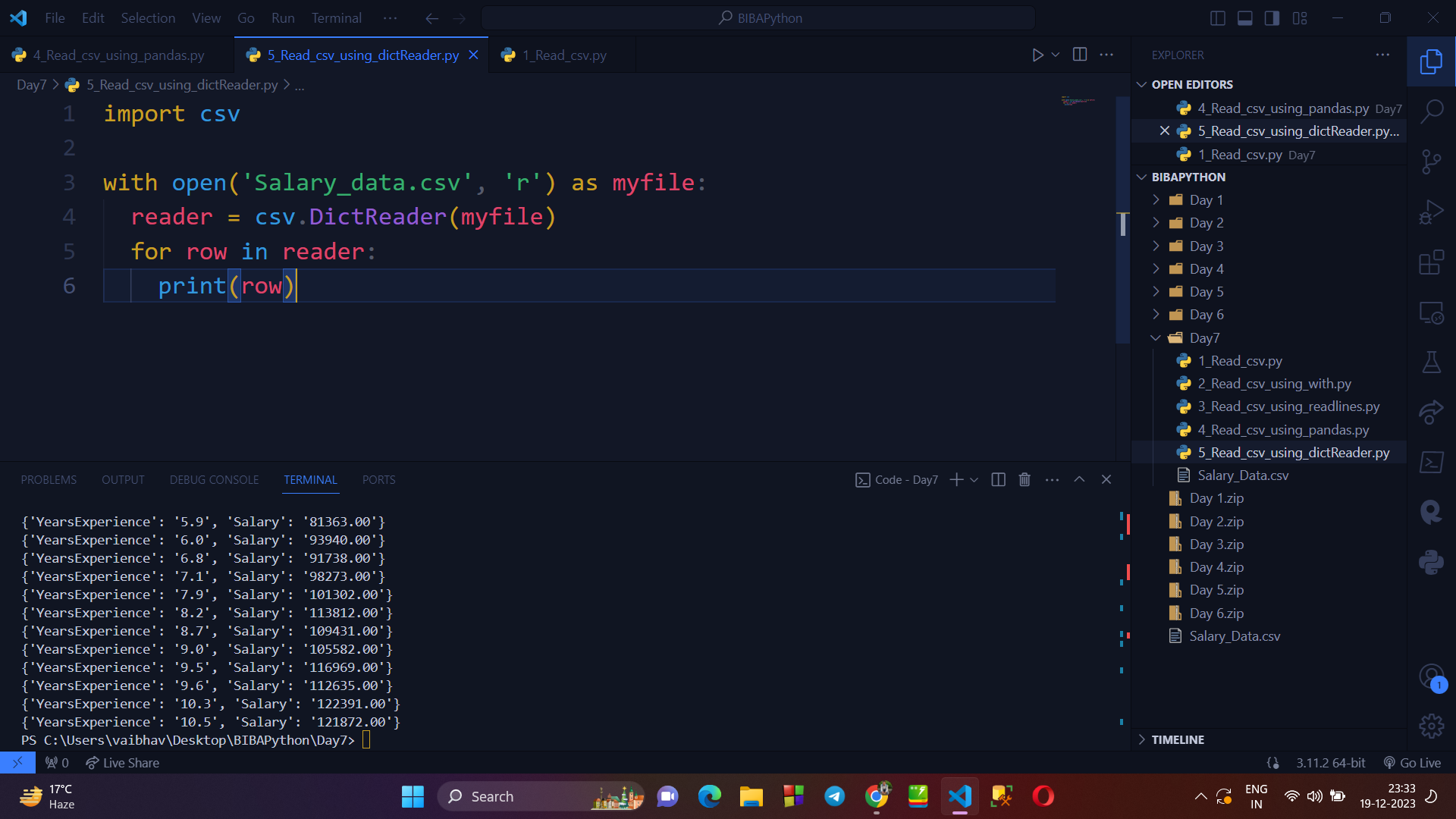
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**→ Writing program to read data from the csv file using PANDAS library :**

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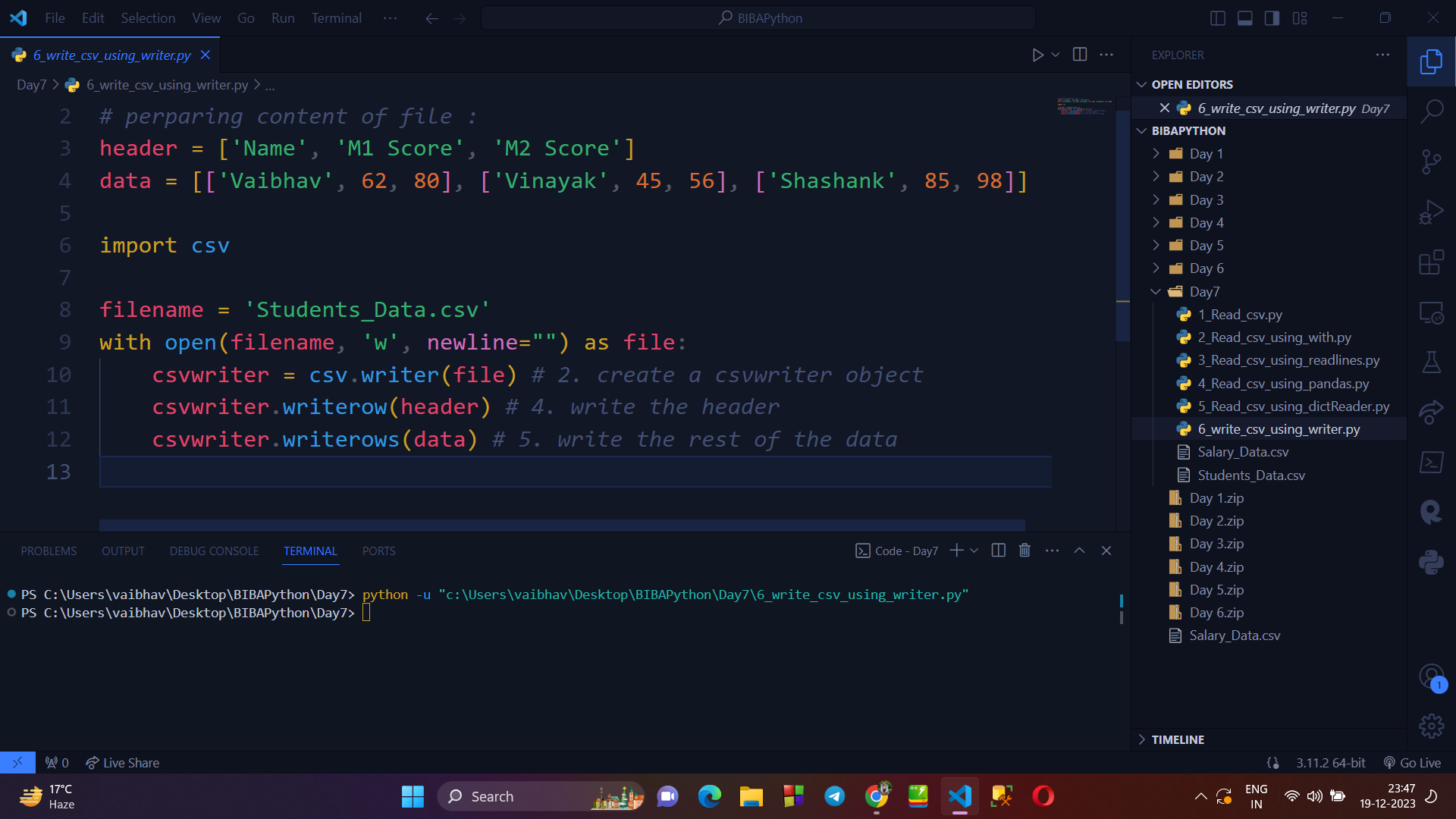
**→ Reading a CSV file using CSV.DictReader :**

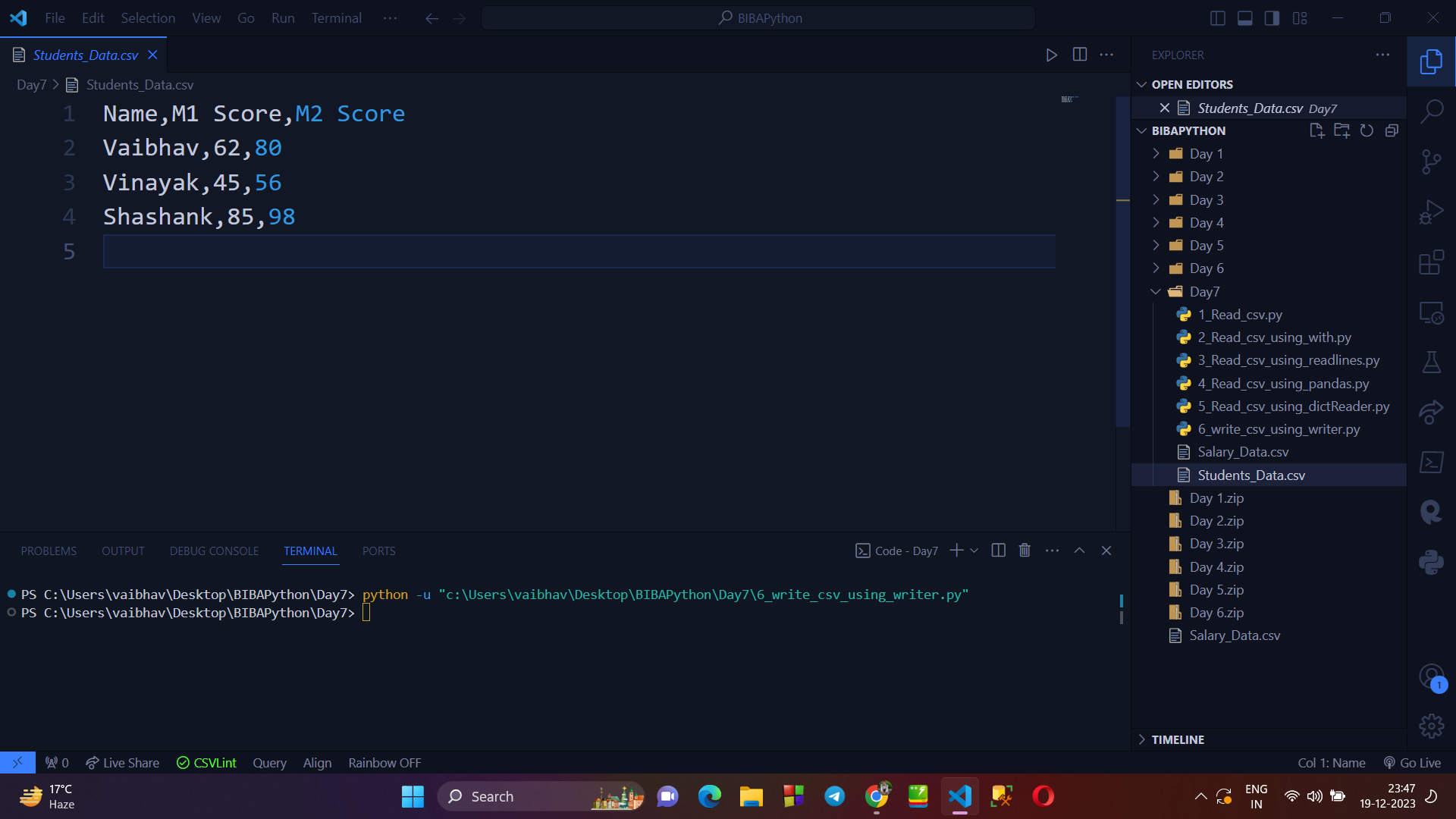
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**WRITING IN CSV FILE :**

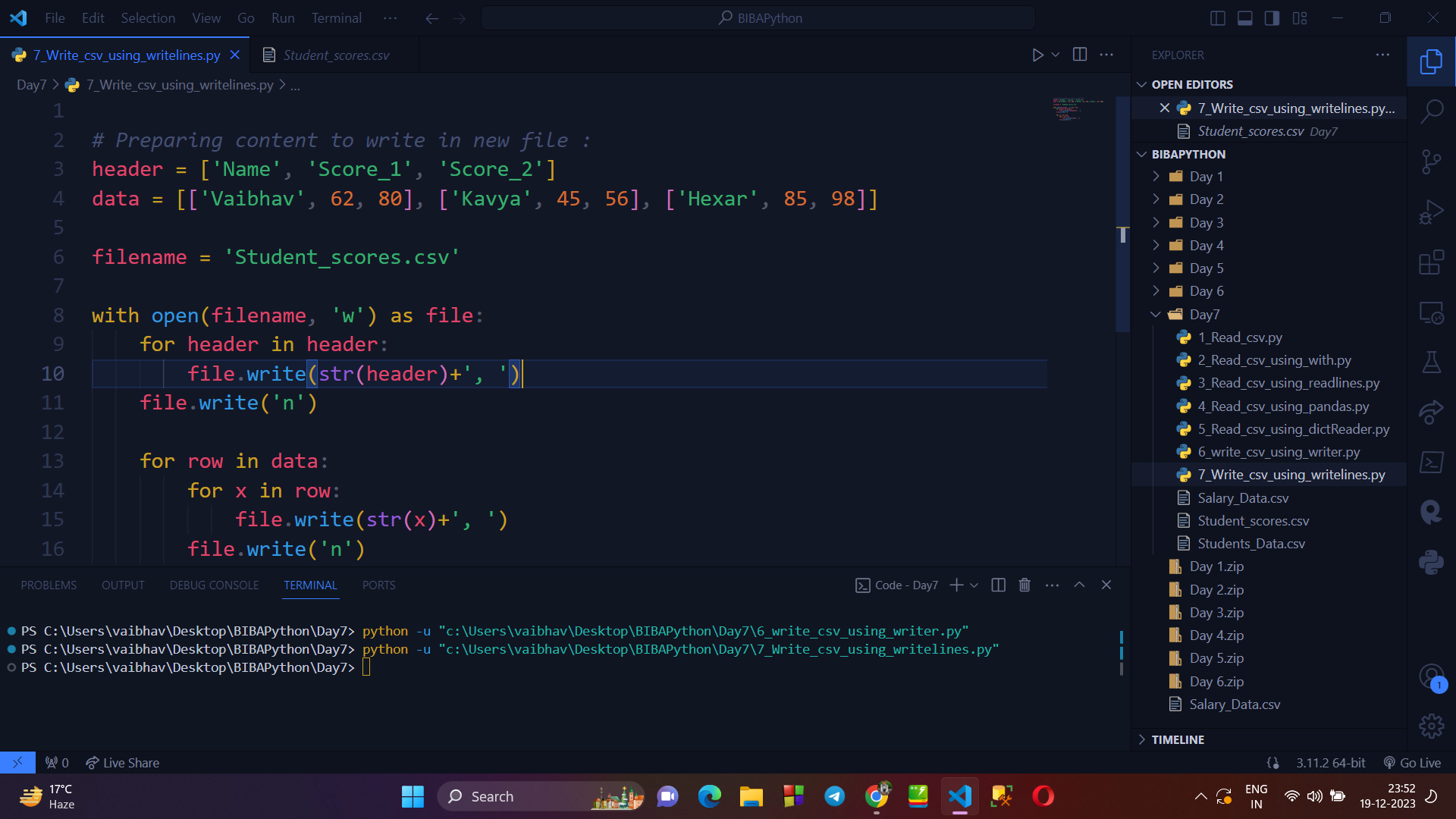
* As we used 4 methods to read the data of a csv file, similarly we can write data into file using following methods :
  + Write CSV file using csv.writer
  + Write CSV file using writelines() function
  + Write CSV file using Pandas
  + Write CSV file using csv.DictWriter

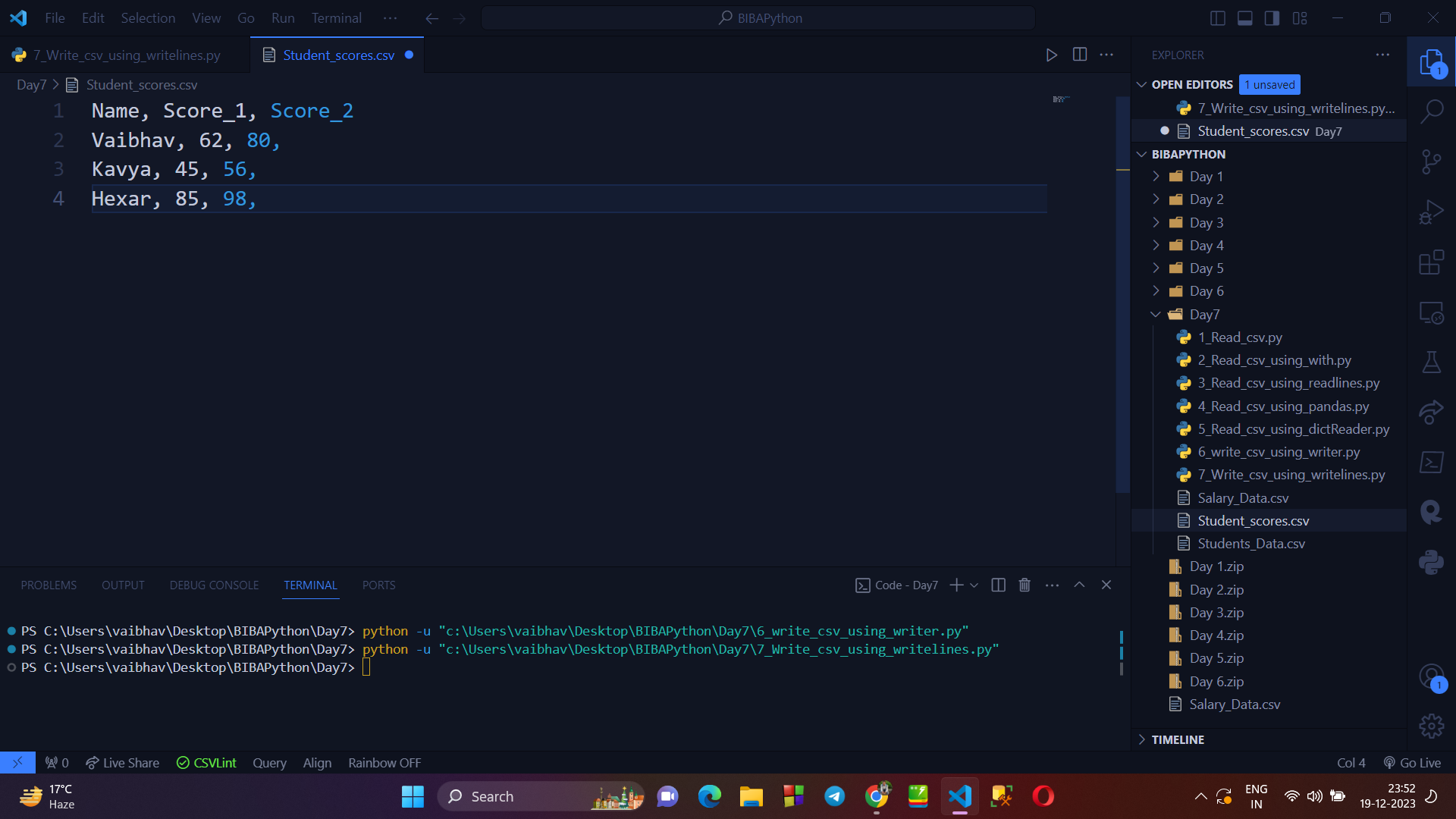
**→ Writing a CSV file using csv.writer() method :**

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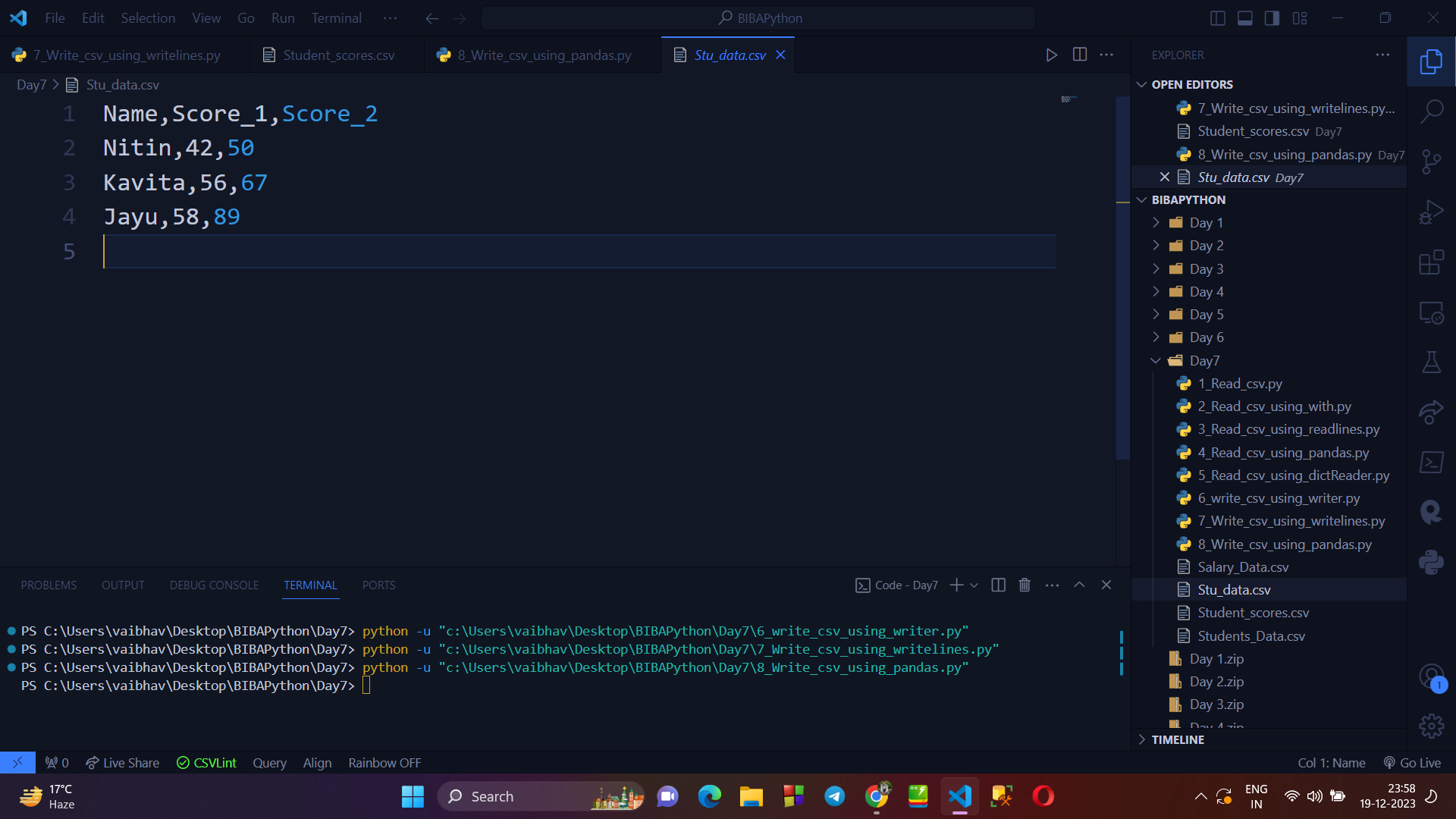
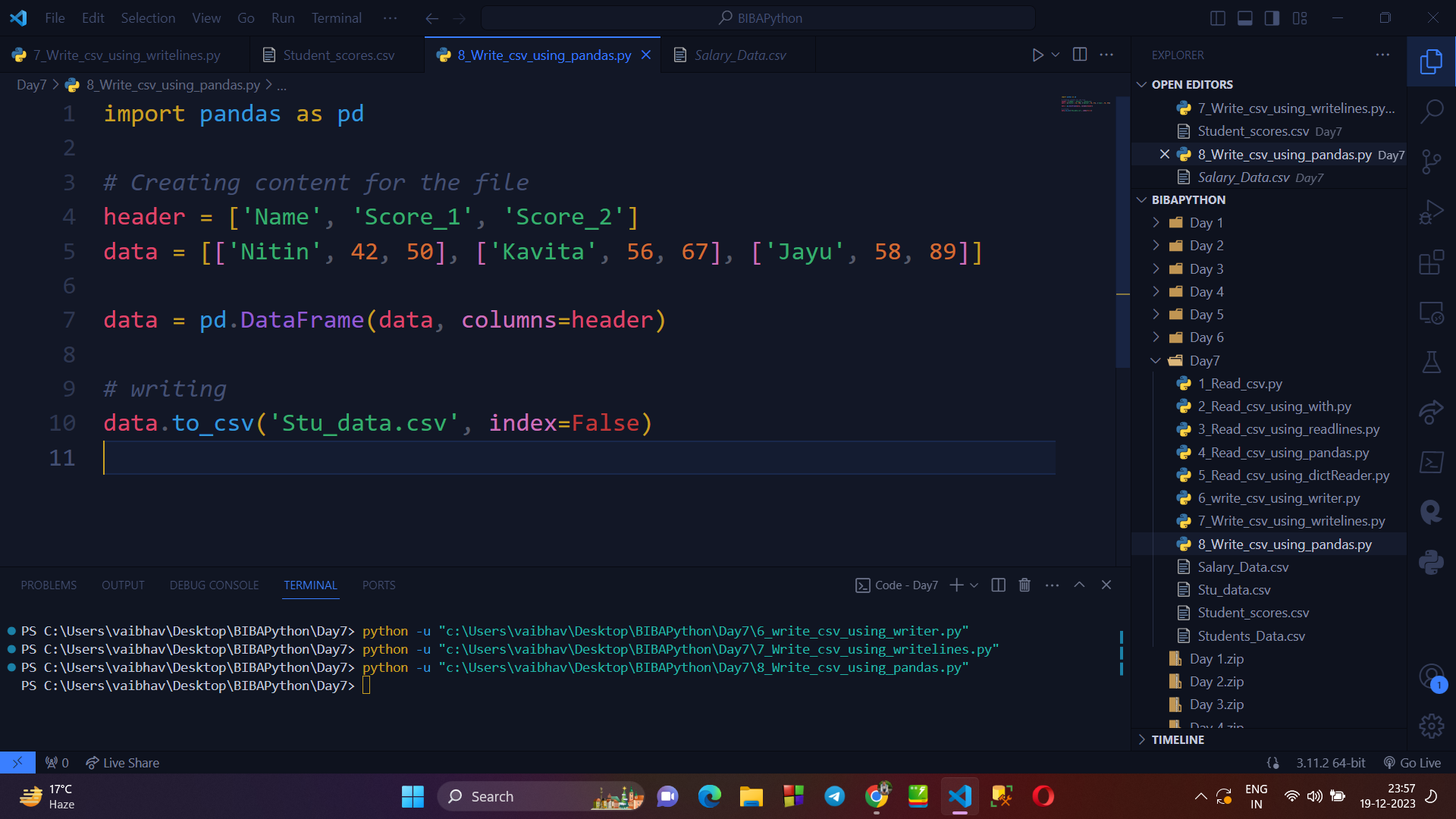
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**→ Writing a csv file using .writeLines() :**

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**→ Writing CSV file using Pandas library() :**

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