ASSESSMENT - 12 | PYTHON - 05

*“PYTHON FUNCTION, LAMBDA FUNCTIONS, MODULES ”*



Submitted By

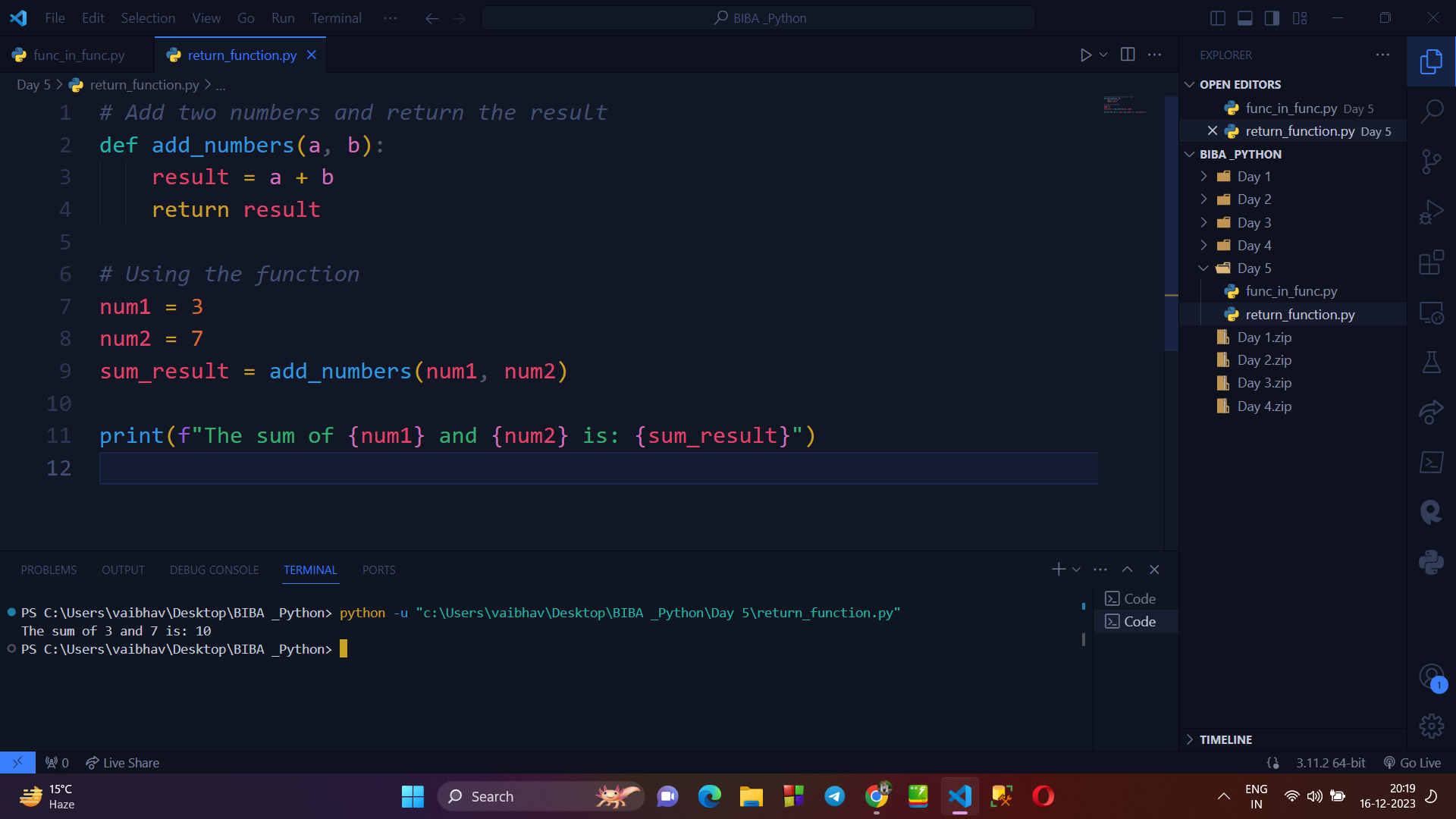
VAIBHAV PATIDAR

IPS ACADEMY, INDORE (M.P.)

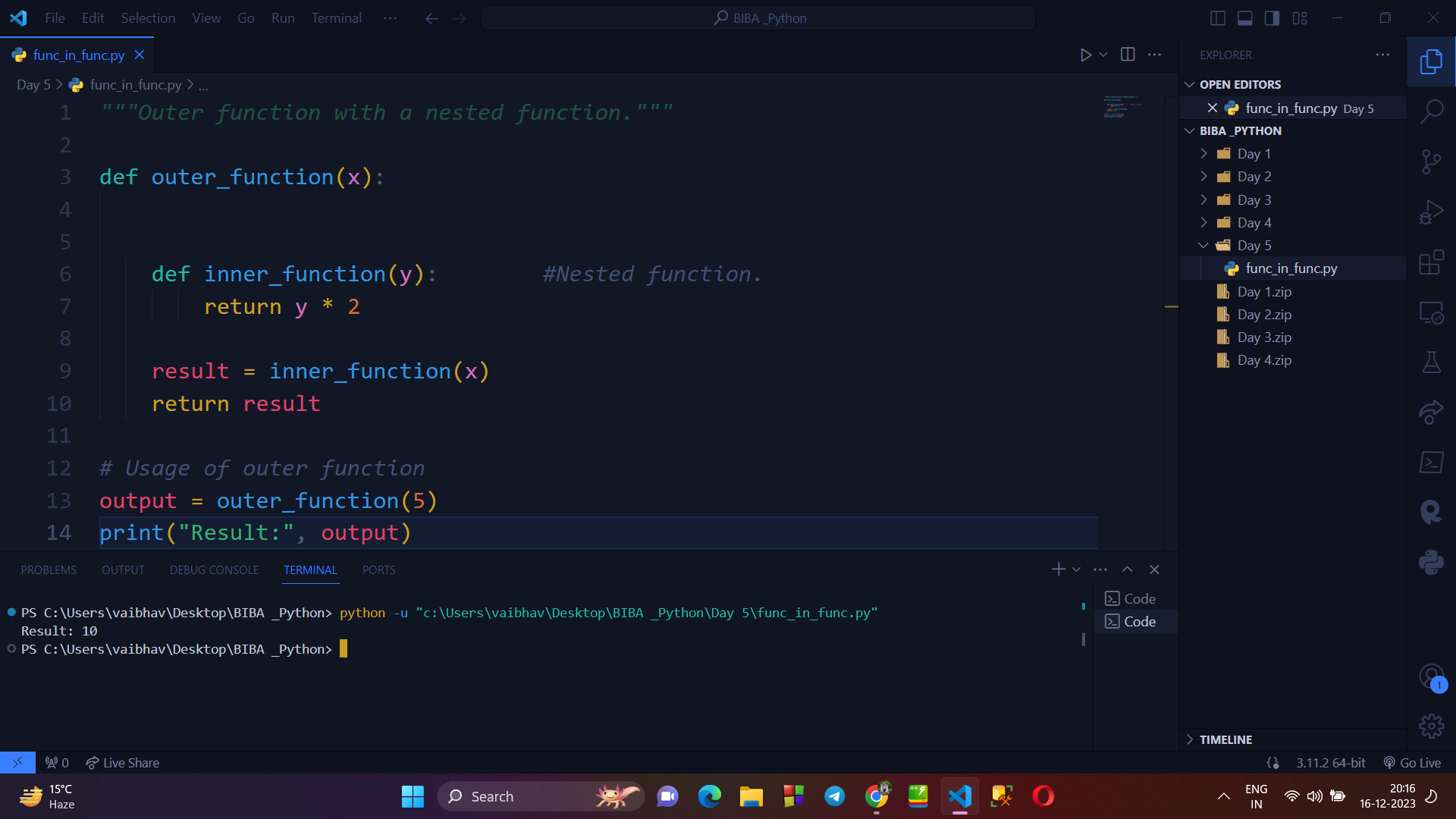
**Date :** 16-12-2023

**Week 2** | **Day - 06**

**→ FUNCTION WITH RETURN KEYWORD :**

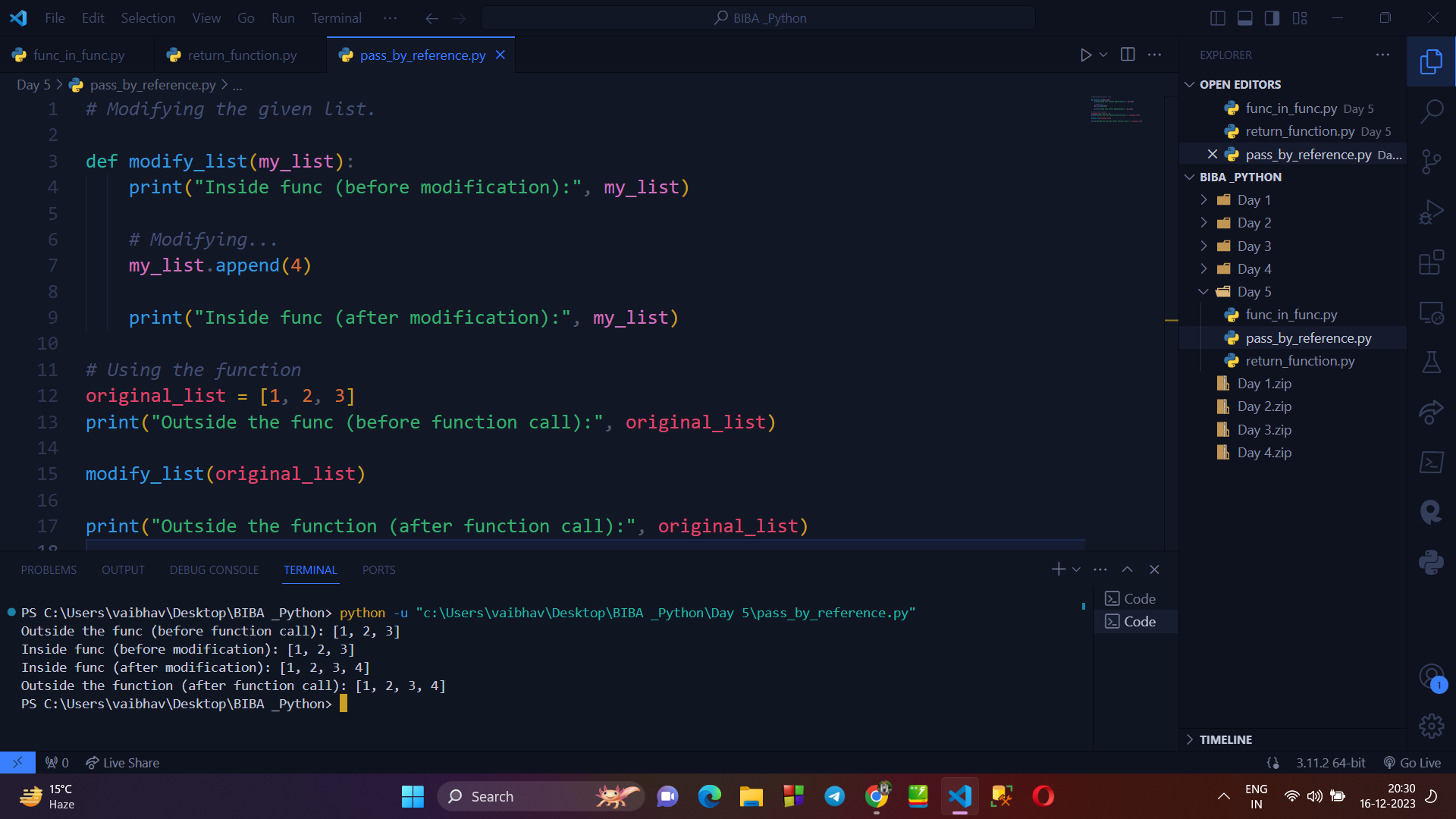
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**→ NESTED FUNCTION IN PYTHON**

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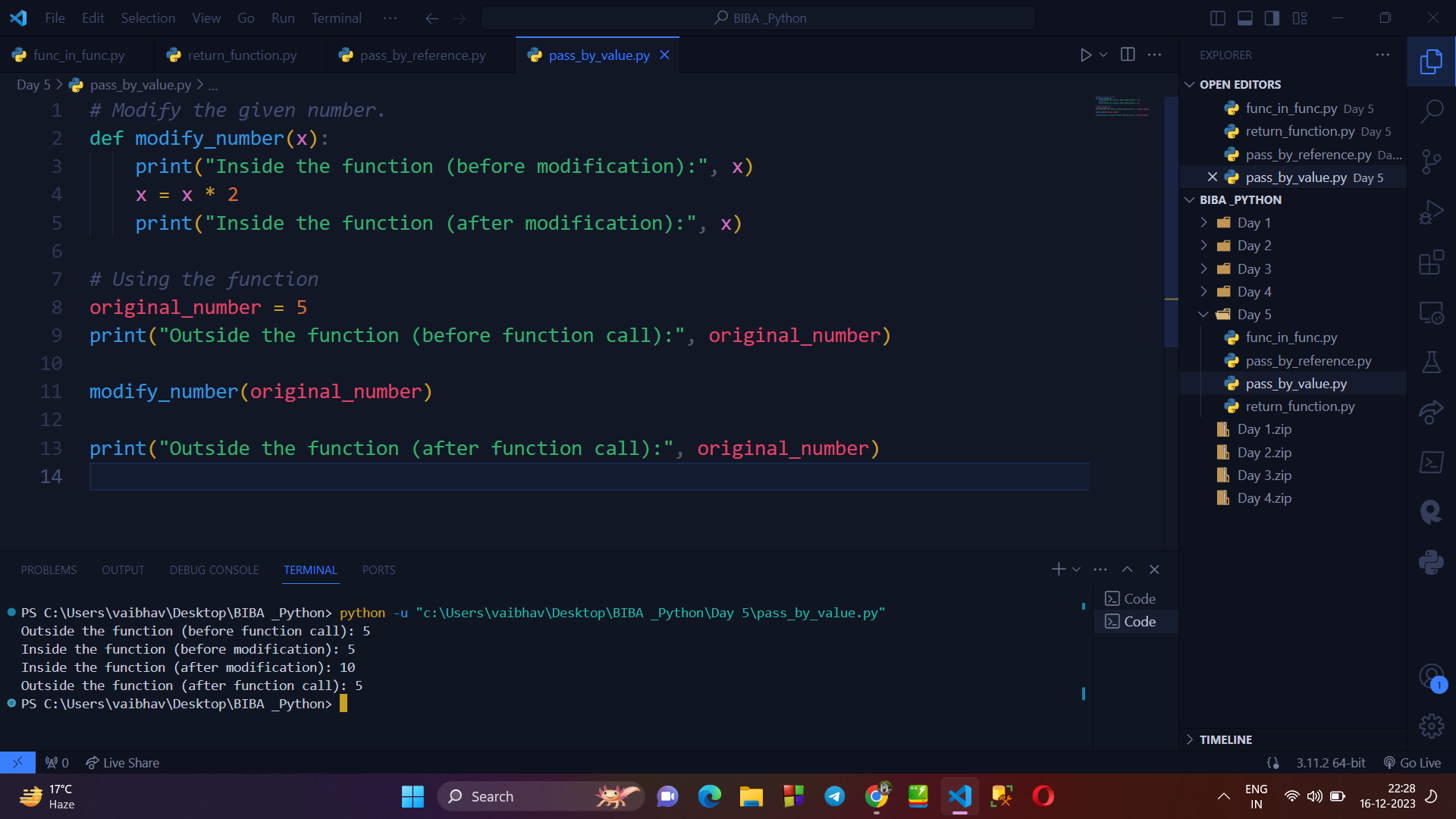
**→ PASS BY REFERENCE :**

* in Python every variable name is a reference. When we pass a variable to a function, a new reference to the object is created.



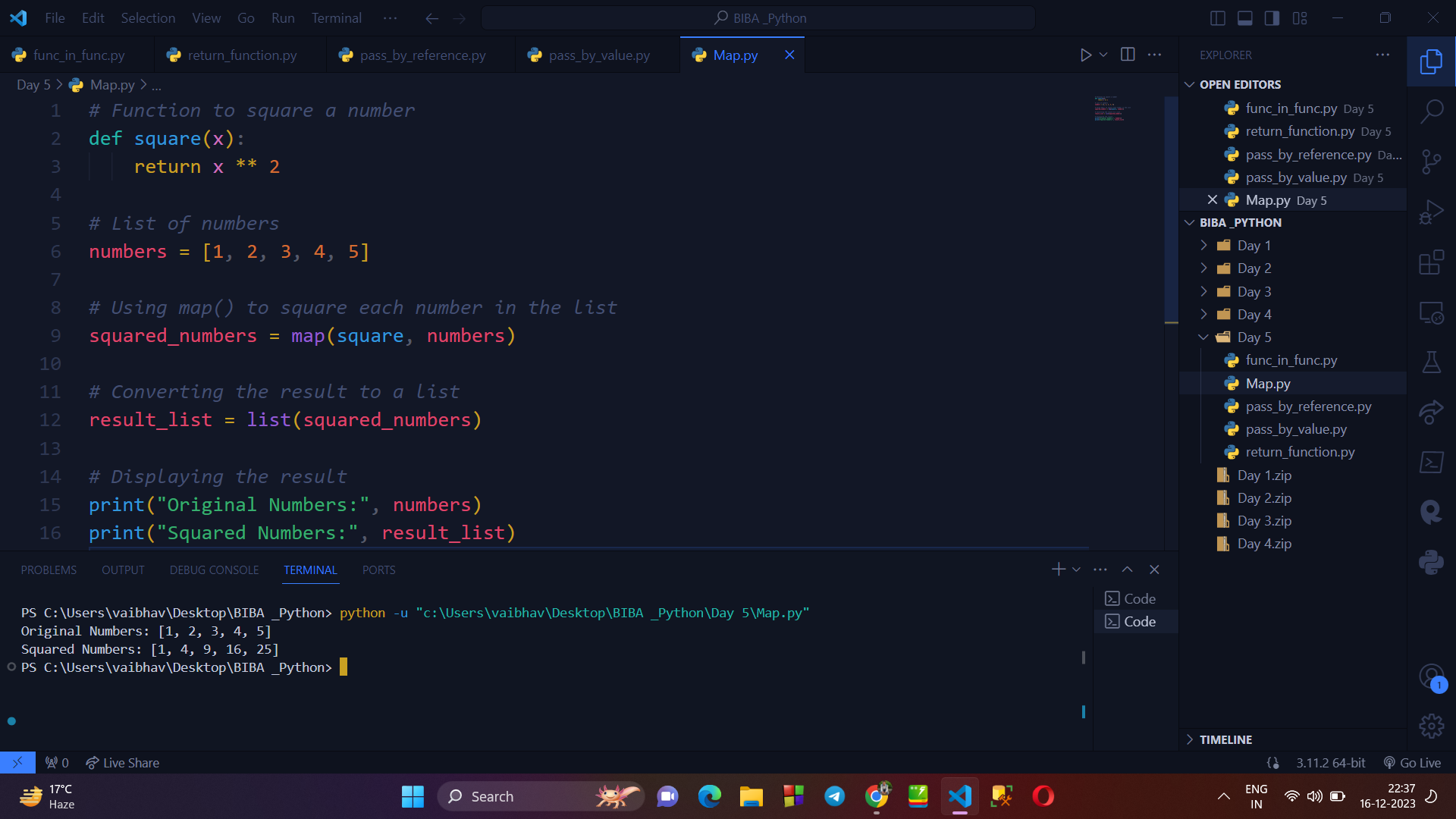
→ **PASS BY VALUE :**

* The values of the arguments are passed to functions.

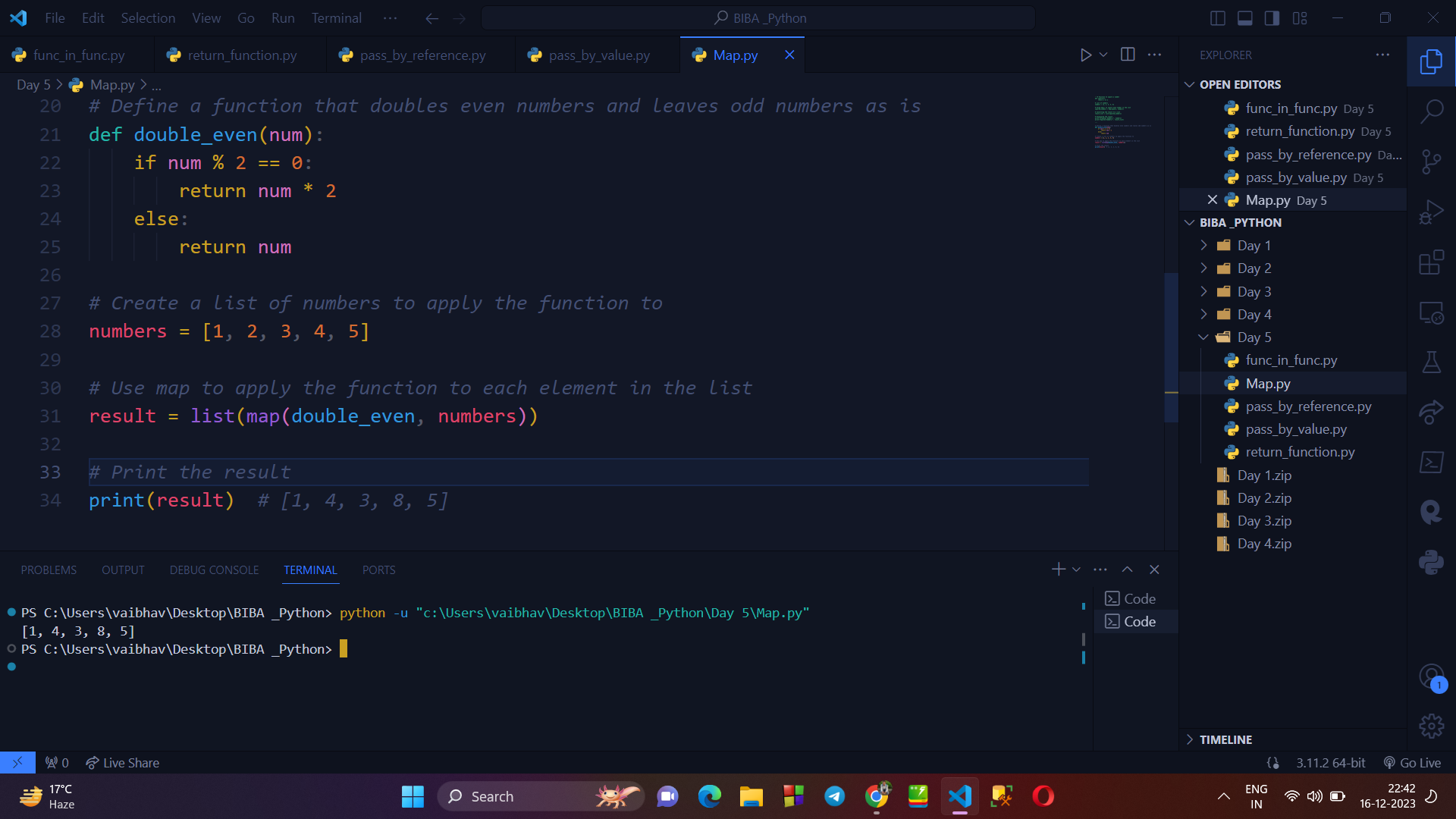


**→ MAP() METHOD IN PYTHON :**

* Returns a list of the results after applying the given function to each item of a given iterable (list, tuple etc.)



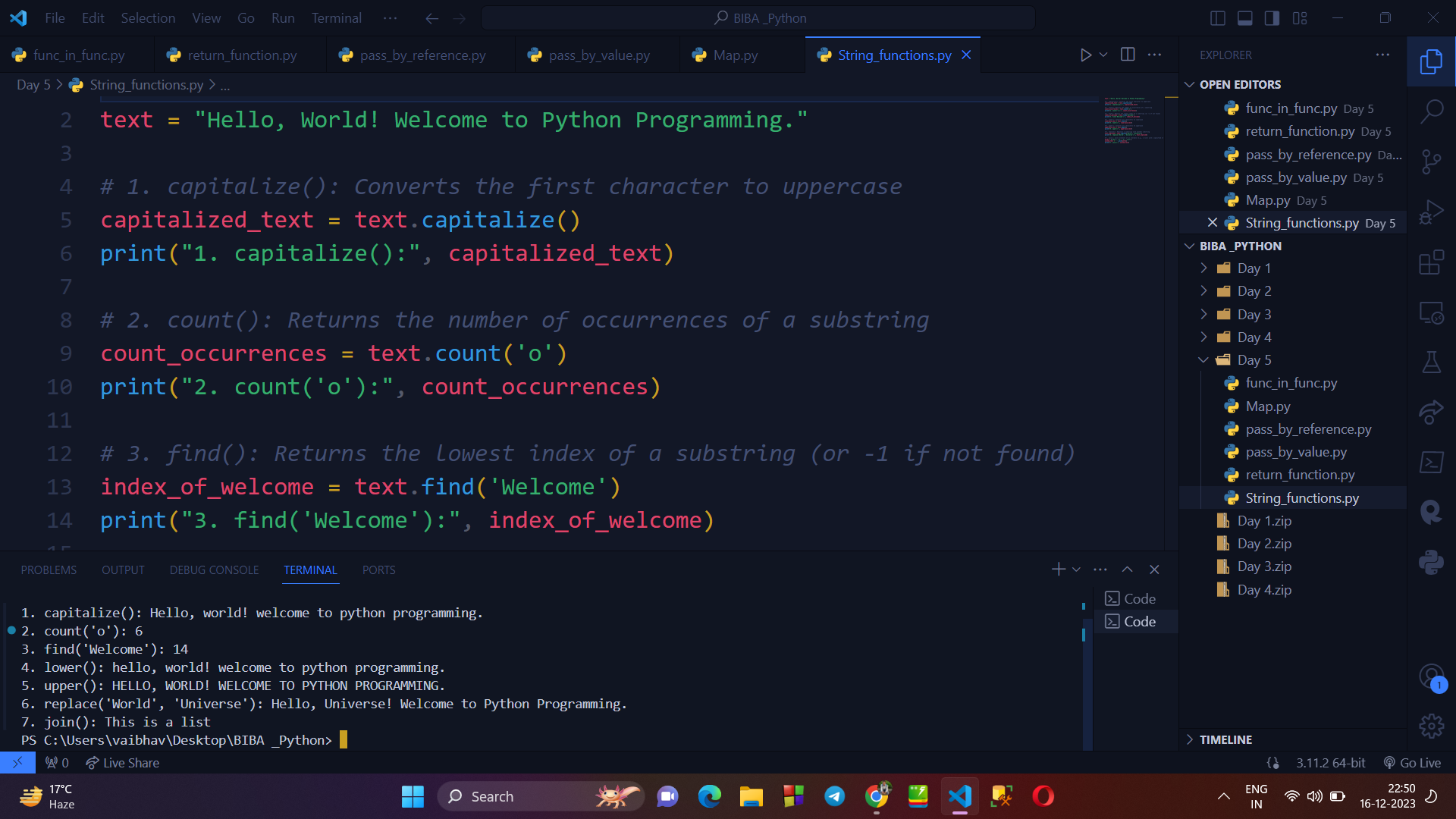
**→ MAP() METHOD WITH IF CASE :**

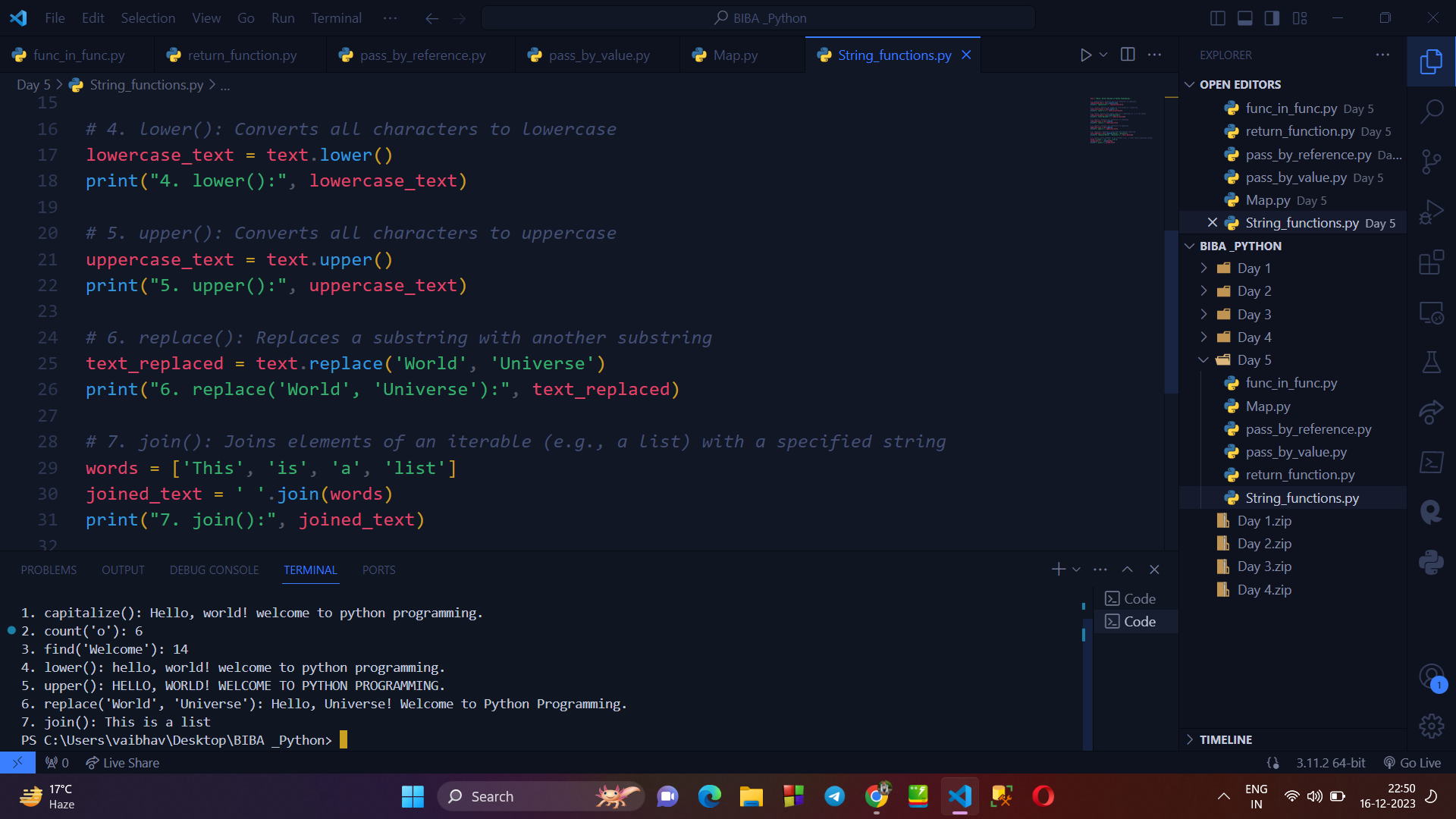
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**STRING FUNCTIONS :** There are usually 7 string functions -

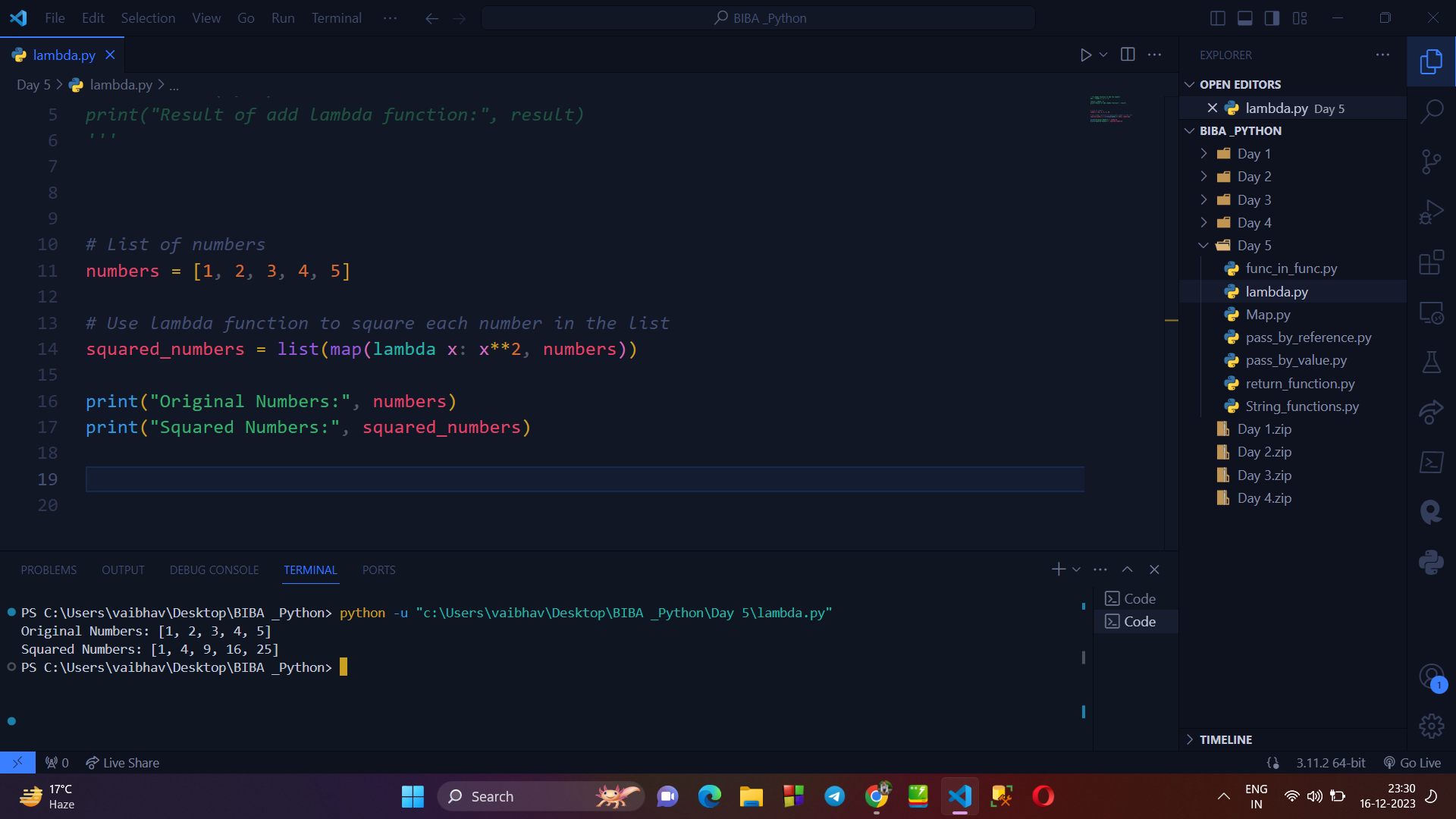
1. CAPITALIZE()
2. COUNT()
3. FIND()
4. LOWER()
5. UPPER()
6. REPLACE()
7. JOIN()

**Writing a program to explain all 7 STRING FUNCTIONS :**

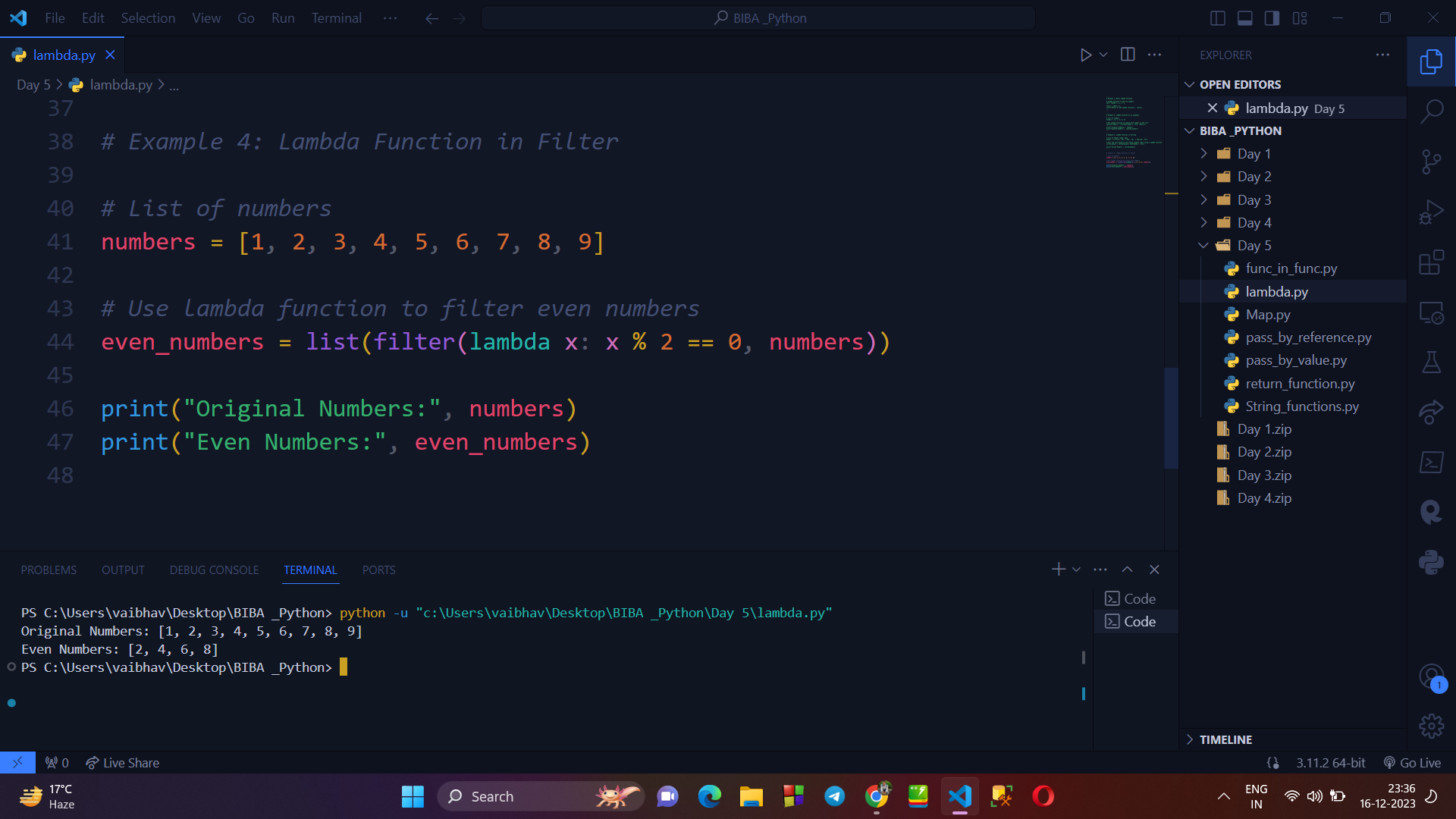
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**→ LAMBDA FUNCTION WITH MAP() METHOD :**

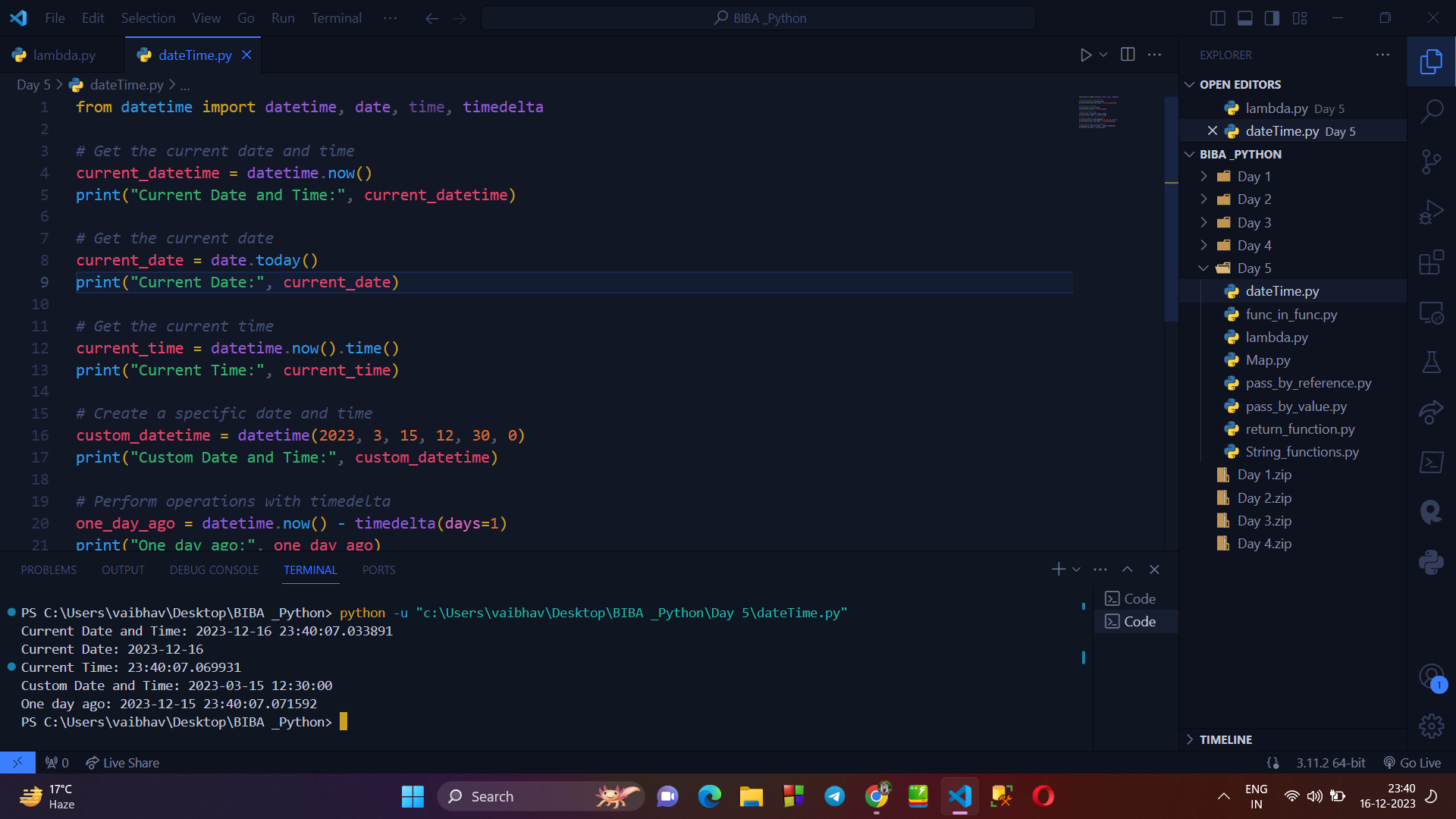
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**→ LAMBDA FUNCTION WITH FILTER() METHOD :**

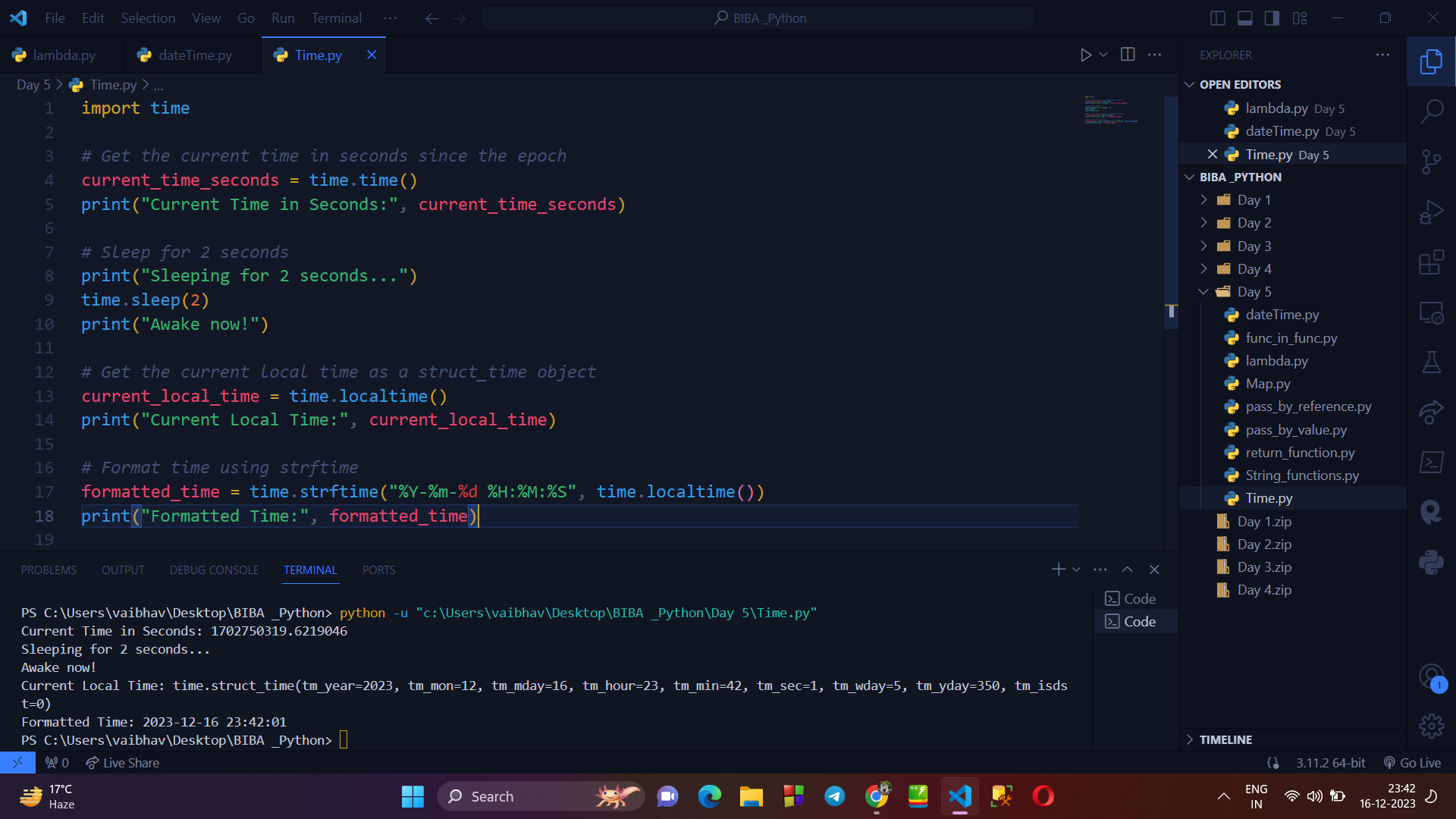
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**→ DATETIME, TIME & CALENDAR MODULE IN PYTHON :**

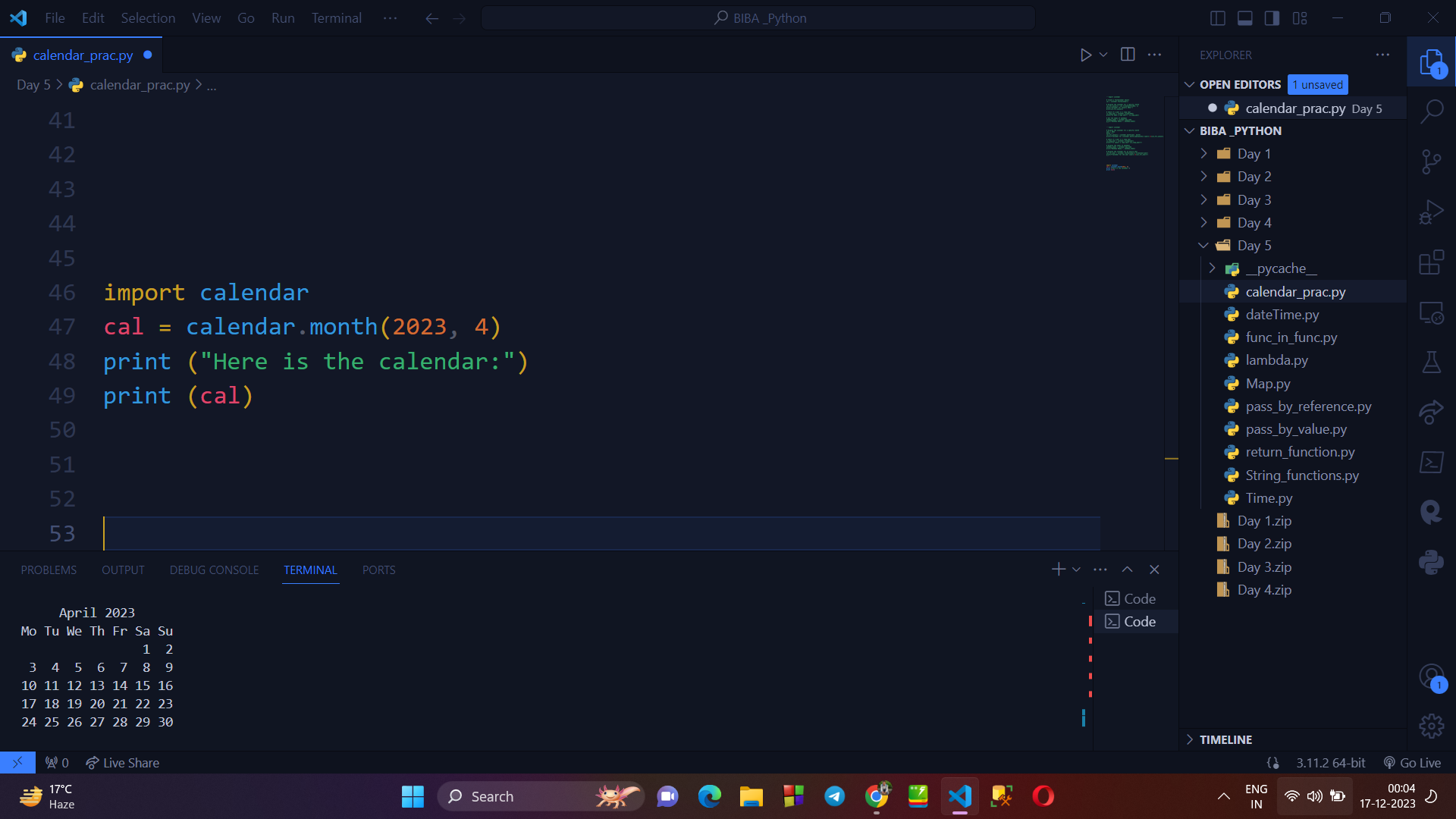
1. **Writing program to display current date & time, time , etc.**

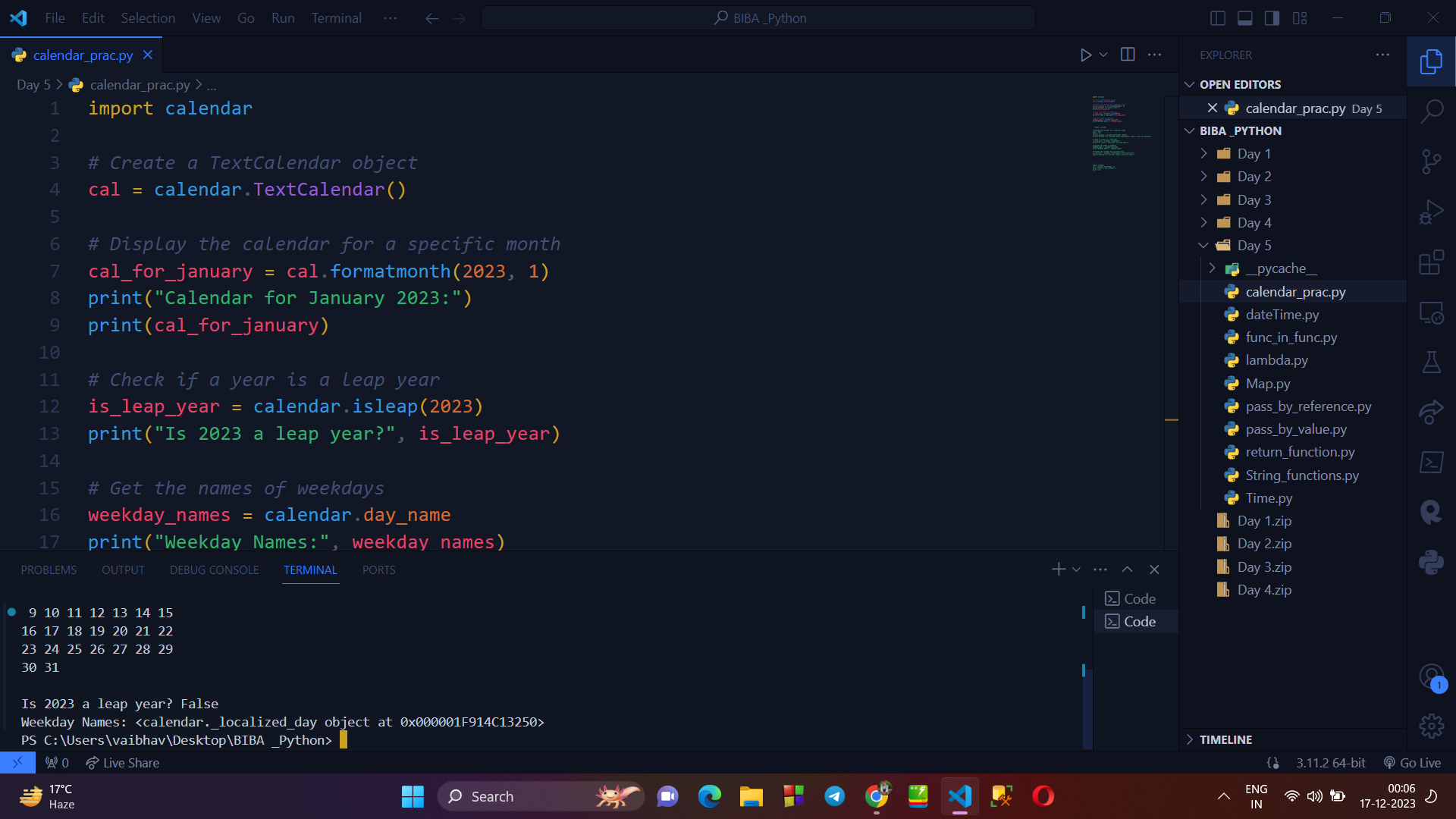
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1. **Program using time module :**

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1. **Programs based on Calendar Module :**

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