

AI ASSISTED CODING

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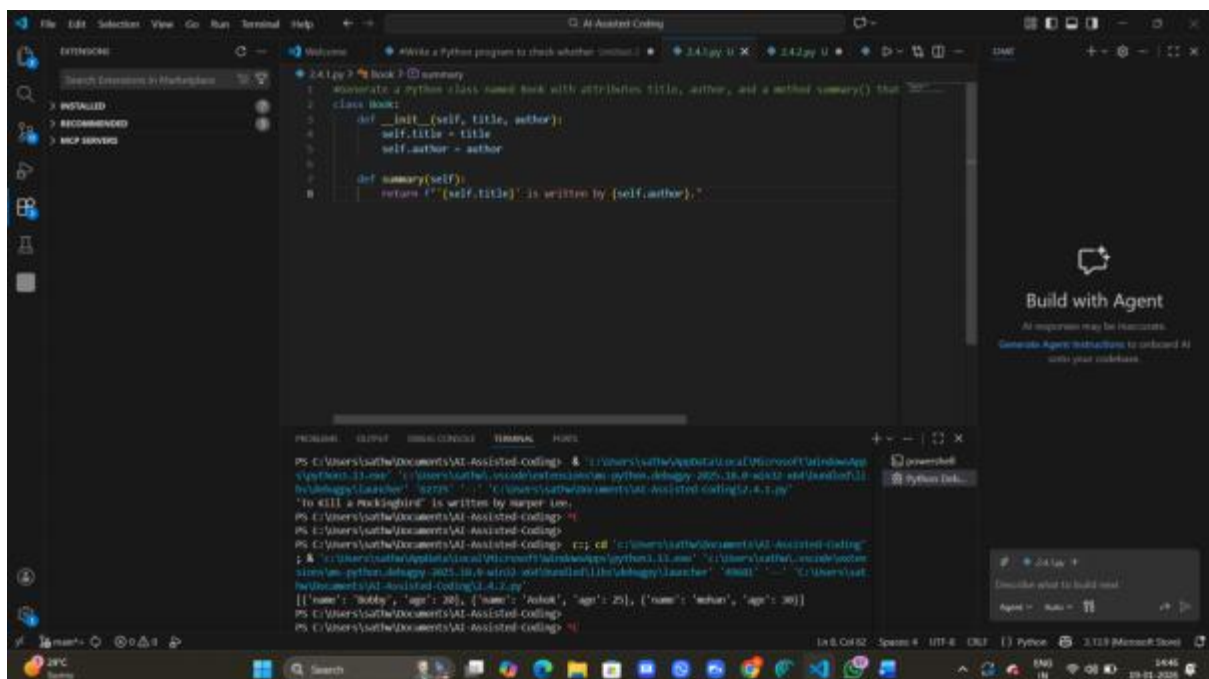
BATCH-14

ASSIGNMENT – 2.4

Task 1: Use Cursor AI to generate a Python class Book with attributes title, author, and a summary () method.

Prompt : “Generate a Python class named Book with attributes title, author, and a method summary() that returns a formatted string with the title and author.”

Code and output :



The screenshot shows the Cursor AI code editor interface. The main editor window displays a Python class named `Book` with attributes `title` and `author`, and a method `summary()`. The code is as follows:

```
1 #Generate a python class named book with attributes title, author, and a method summary() that  
2 class Book:  
3     def __init__(self, title, author):  
4         self.title = title  
5         self.author = author  
6  
7     def summary(self):  
8         return f'{self.title} is written by {self.author}.'
```

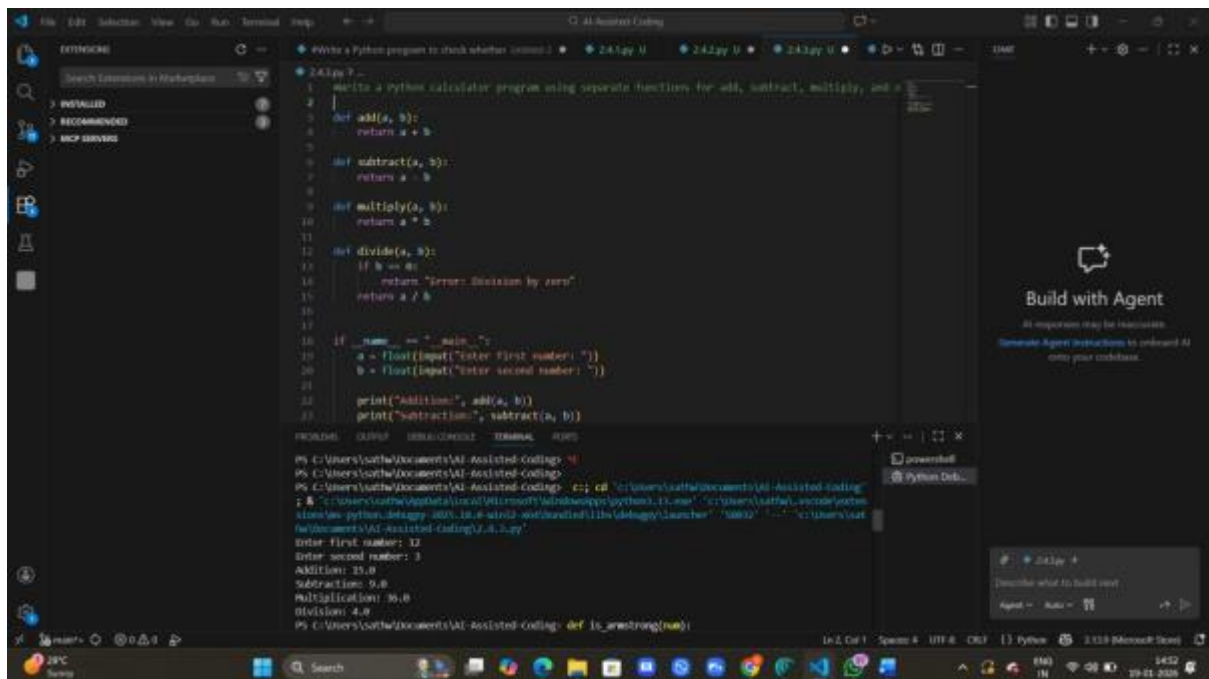
The terminal window at the bottom shows the execution of the code. It displays the command to run the file and the output, which is a list of dictionaries representing book objects:

```
PS C:\Users\sahe\Documents\AI-Assisted-coding> python 205_18-8-wk12-stf\book11.py  
PS C:\Users\sahe\Documents\AI-Assisted-coding> python 205_18-8-wk12-stf\book11.py  
[{"name": "Robby", "age": 20}, {"name": "Ashok", "age": 25}, {"name": "Aman", "age": 30}]
```

Task 2: Use Gemini and Cursor AI to generate code that sorts a list of dictionaries by a key.

Prompt: Write Python code to sort a list of dictionaries by the key age. Explain the code briefly.

Code and output :



Prompt: Write a Python program to check whether a given number is an Armstrong number. Use basic Python constructs and explain briefly.

[illegible]