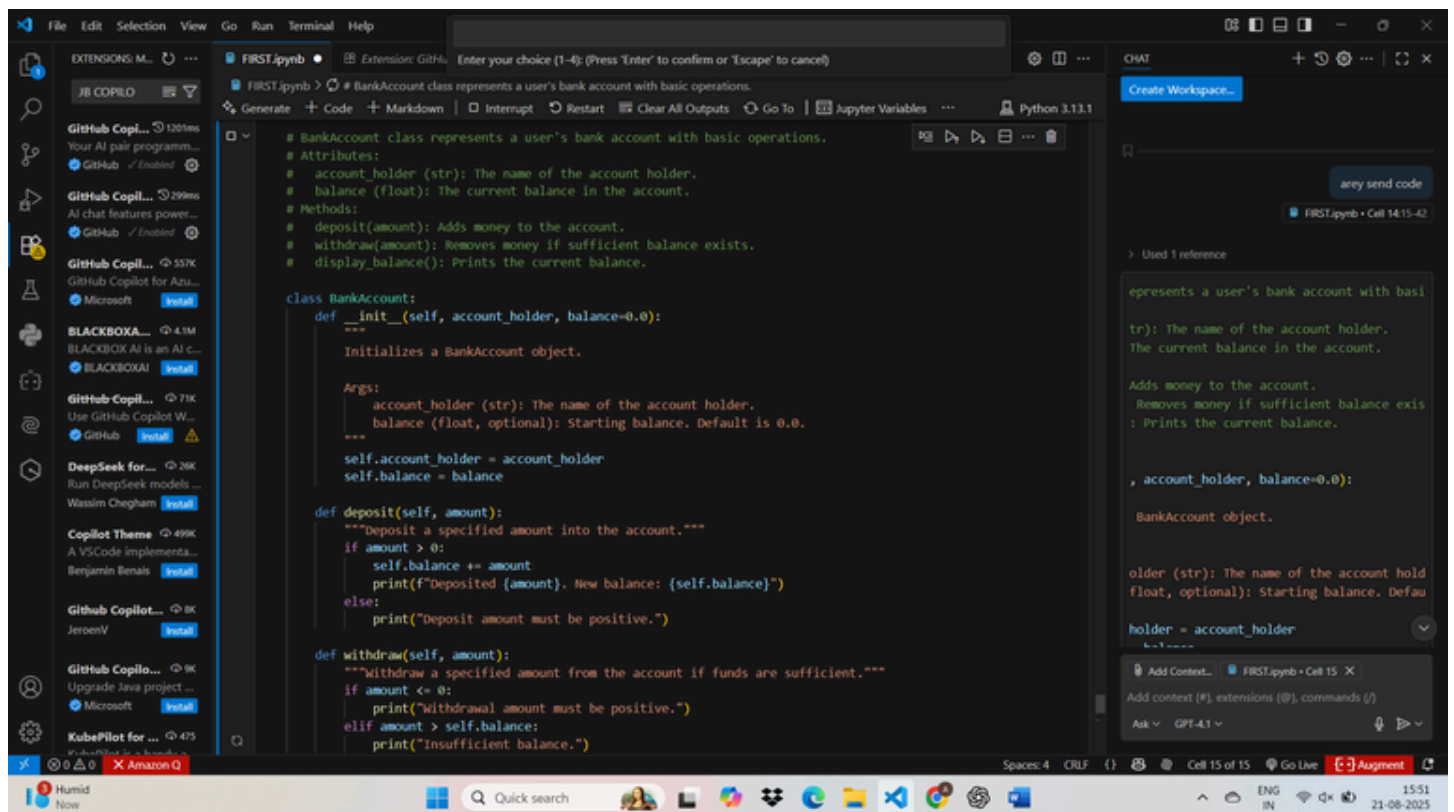
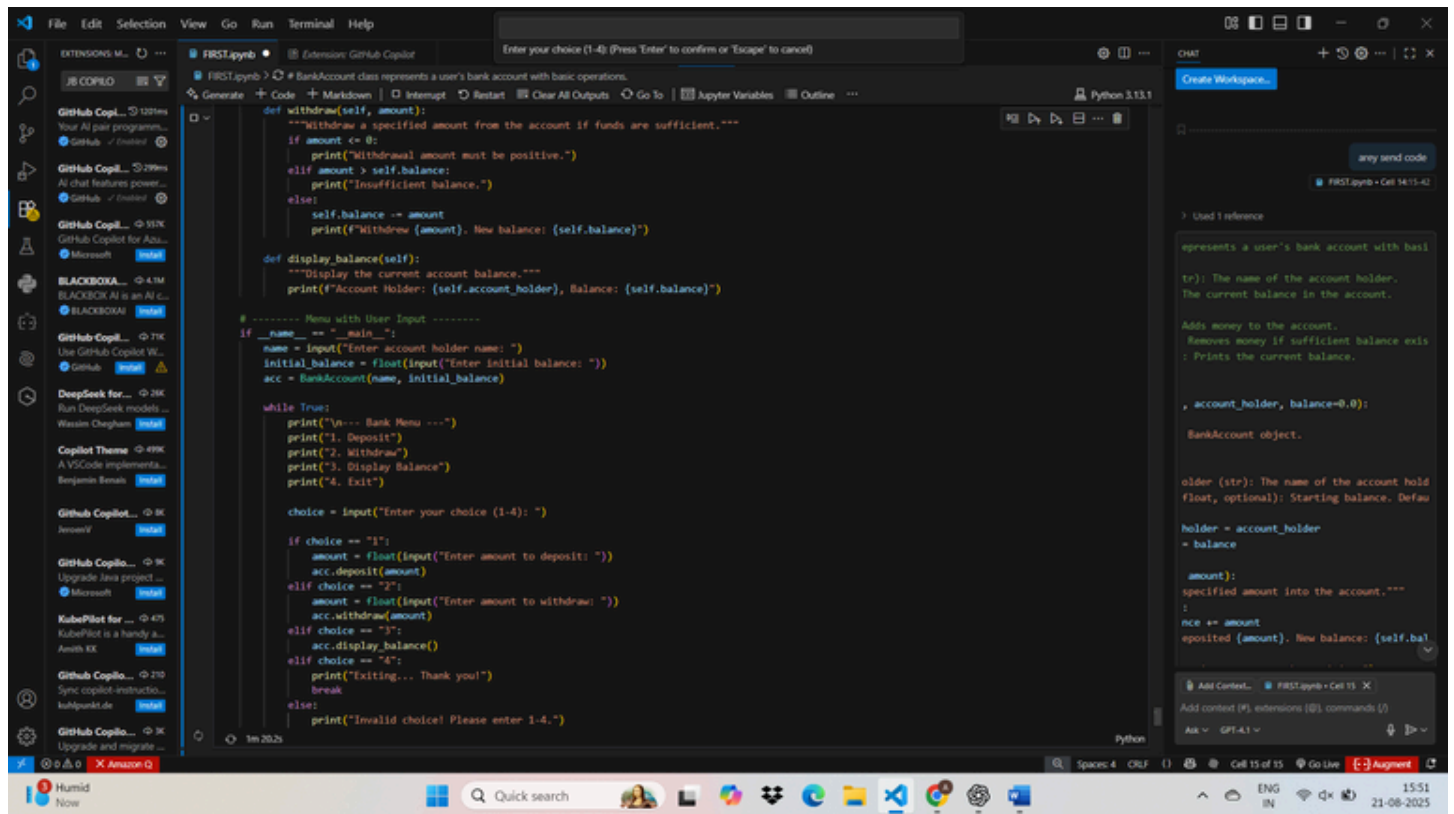
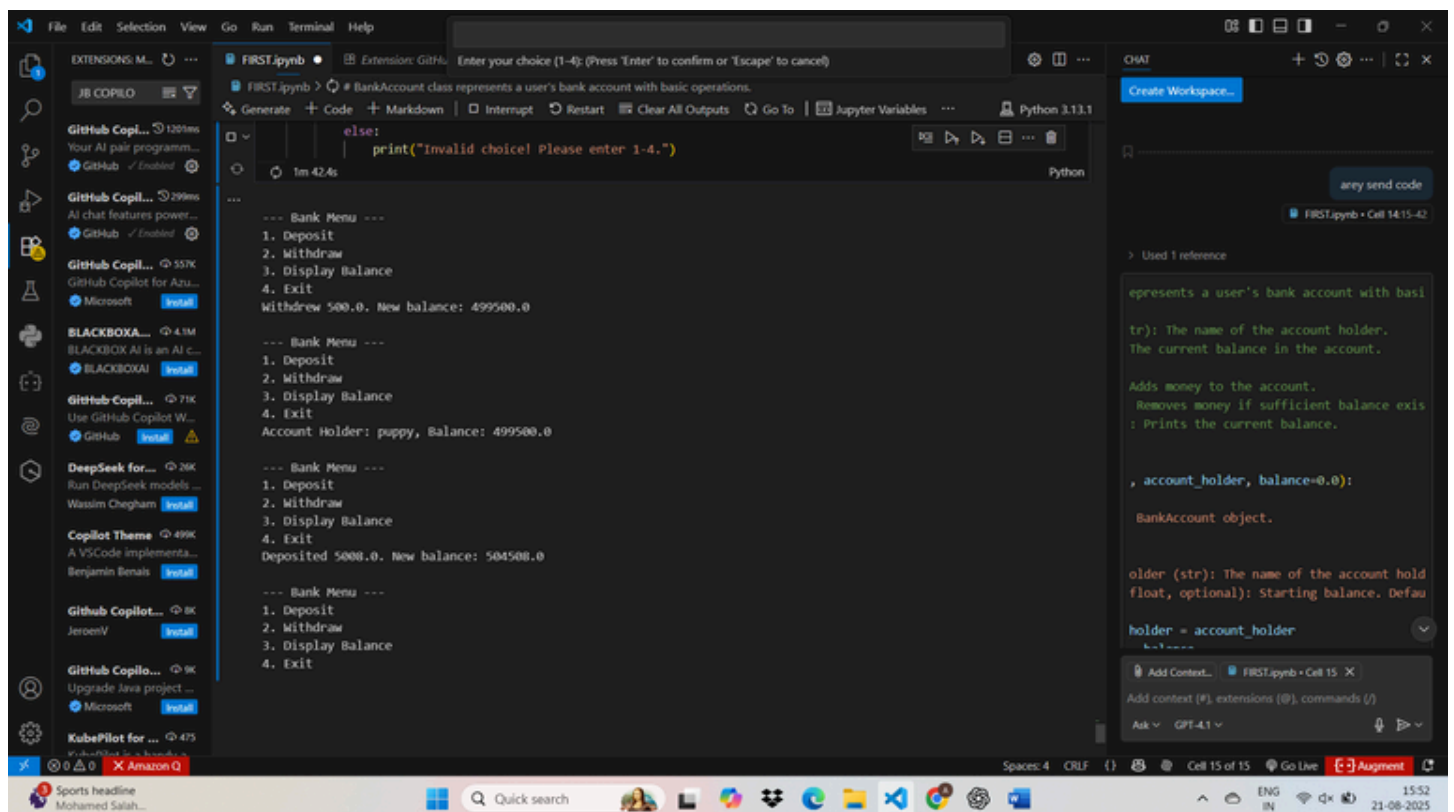


Chandana.T

CODE:



OUTPUT:



TASK-2

CODE WITH OUTPUT:

The screenshot shows the AI CODING IDE interface. The Explorer panel on the left lists files: AI LAB1.PY, task1.py, AI LAB.ipynb, Electricity_Bill.txt, FIRST.ipynb, lab-1.pynb, and lsecond.ipynb. The main editor displays a Python script in a Jupyter Notebook cell:

```
# Loop through the list and sum all even numbers
my_list = list(map(int, input("Enter numbers separated by space: ").split()))
even_sum = 0
for num in my_list:
    if num % 2 == 0:
        even_sum += num
print("Sum of even numbers:", even_sum)
```

The output of the cell is: `Sum of even numbers: 6`. The status bar indicates the code was executed successfully in 6.1s using Python 3.13.1.

The Chat panel on the right shows a message from the AI:

Used 1 reference

The code for summing even numbers does **not** include user input for the list. You need to add a line to get the list from the user. For example:

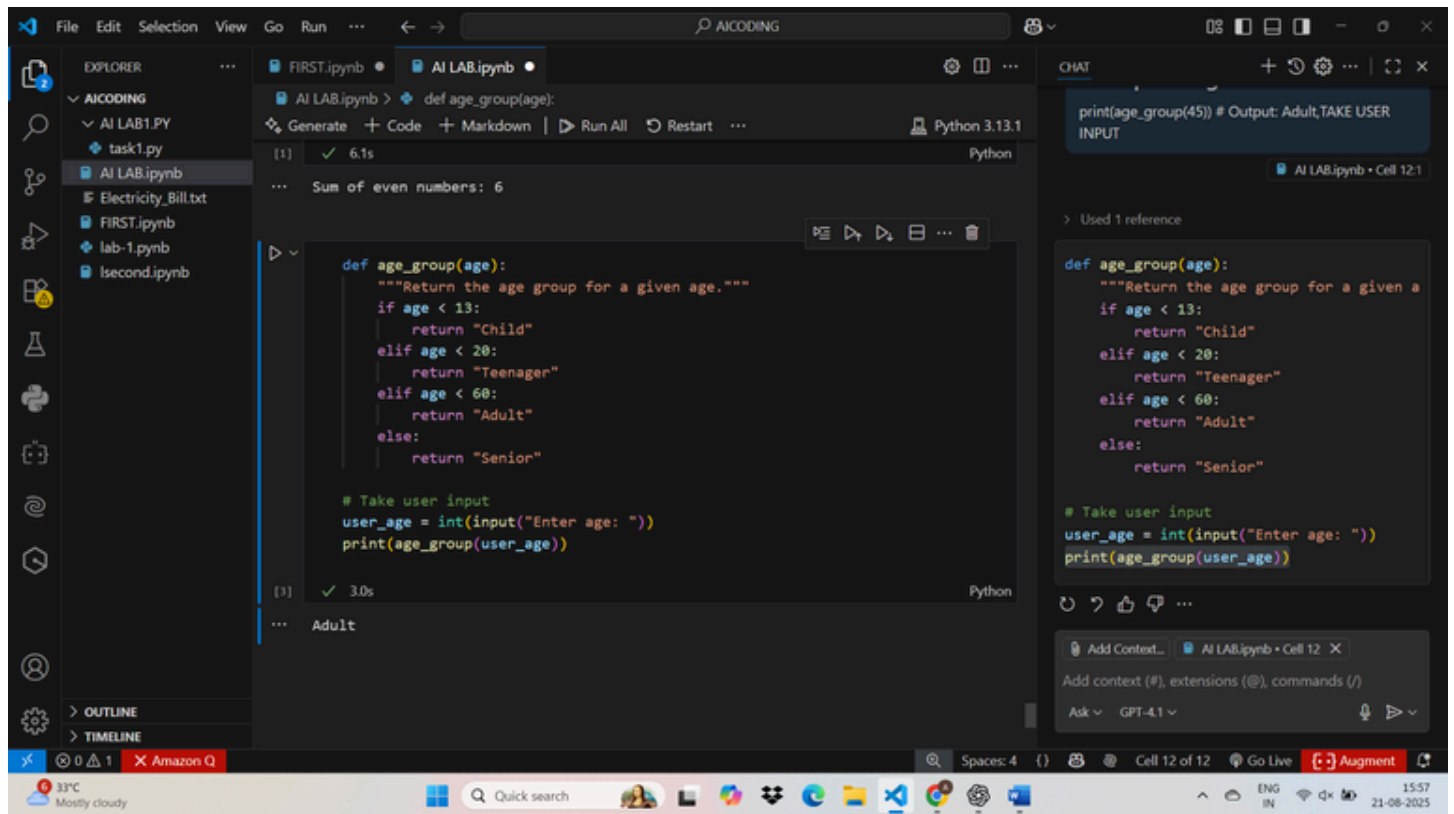
```
# Loop through the list and sum all even
my_list = list(map(int, input("Enter numb
even_sum = 0
for num in my_list:
    if num % 2 == 0:
        even_sum += num
print("Sum of even numbers:", even_sum)
```

This will allow the user to input the numbers.

At the bottom, there is a text input field with the placeholder "Add context (#), extensions (@), commands (/)" and a button "Ask". The selected model is "GPT-4.1".

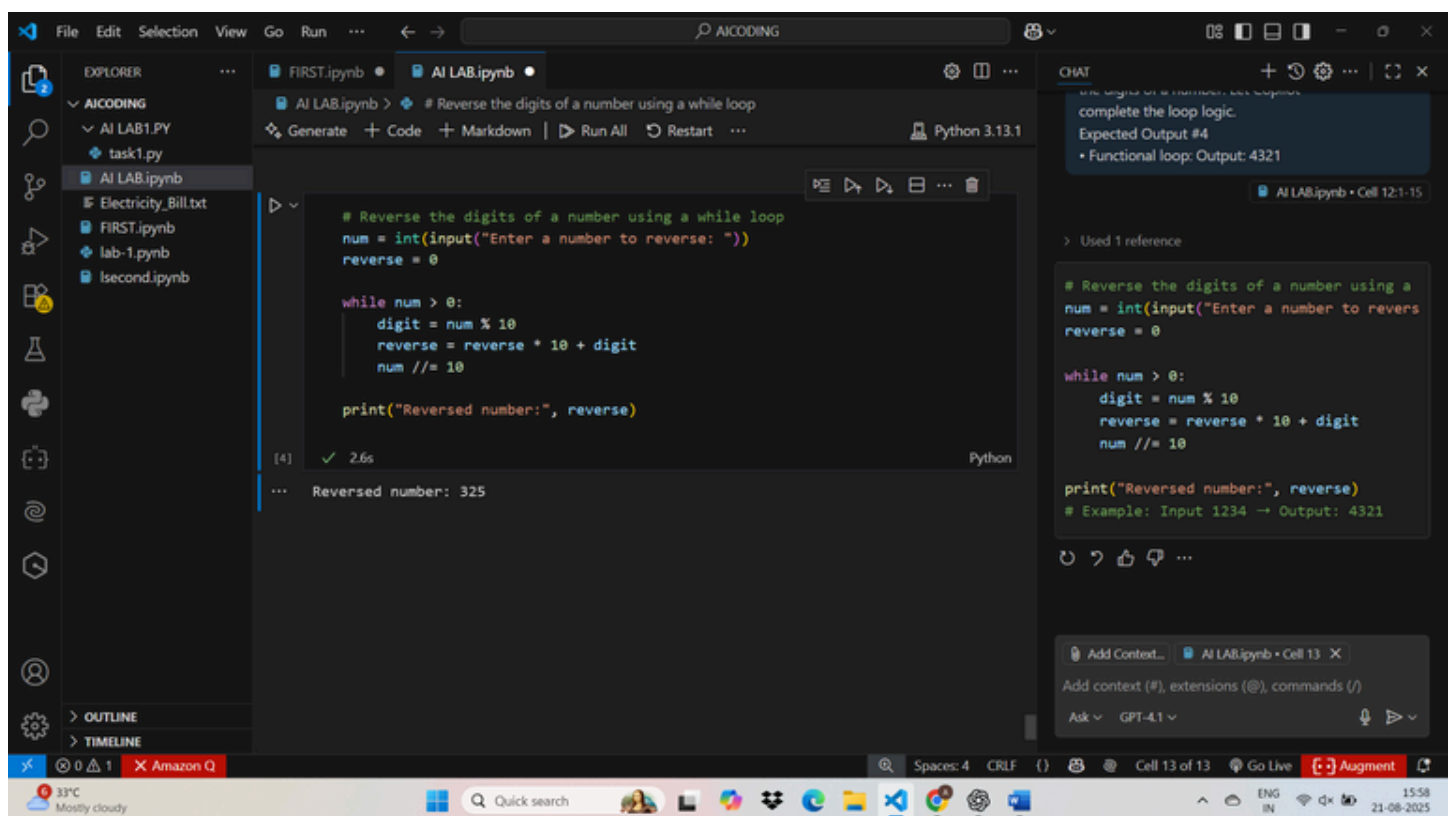
TASK3:

CODE WITH OUTPUT:



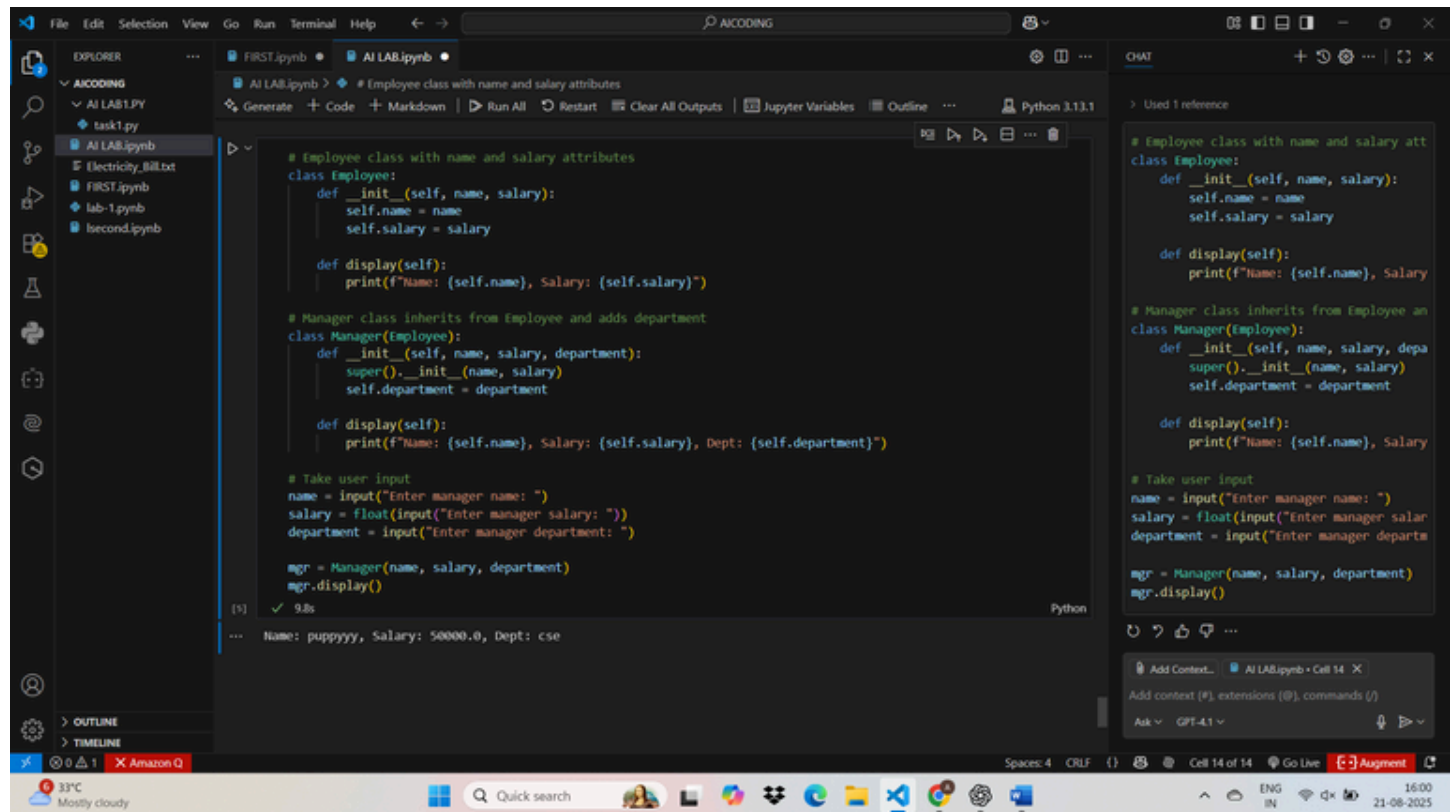
TASK-4:

CODE WITH OUTPUT



TASK 5:

Code with output:



```
# Employee class with name and salary attributes
class Employee:
    def __init__(self, name, salary):
        self.name = name
        self.salary = salary

    def display(self):
        print(f"Name: {self.name}, Salary: {self.salary}")

# Manager class inherits from Employee and adds department
class Manager(Employee):
    def __init__(self, name, salary, department):
        super().__init__(name, salary)
        self.department = department

    def display(self):
        print(f"Name: {self.name}, Salary: {self.salary}, Dept: {self.department}")

# Take user input
name = input("Enter manager name: ")
salary = float(input("Enter manager salary: "))
department = input("Enter manager department: ")

mgr = Manager(name, salary, department)
mgr.display()
```

Output: Name: puppyyy, Salary: 50000.0, Dept: cse