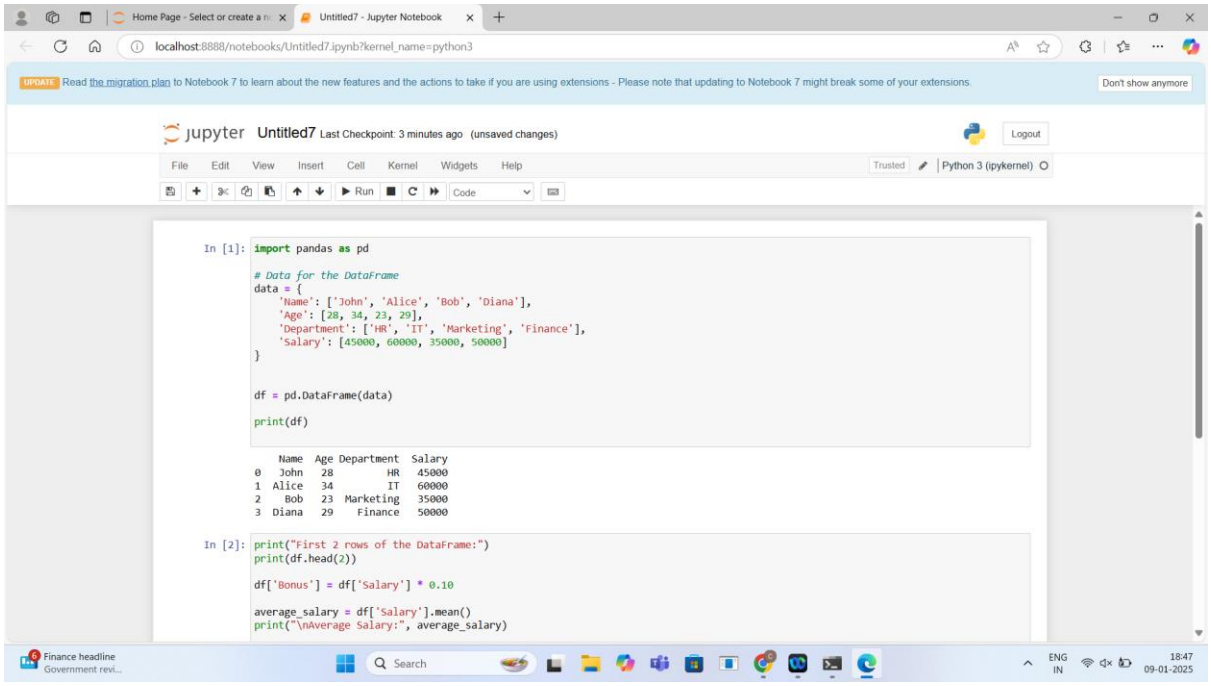
Day-6

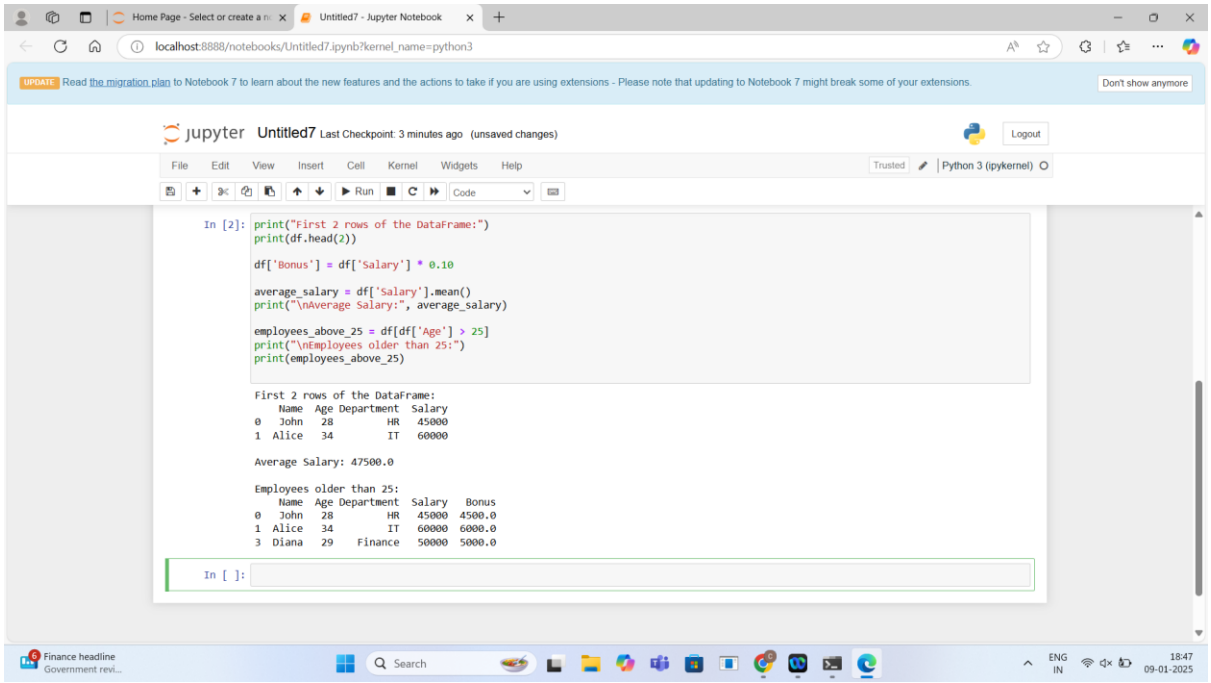
Question:
Using the Pandas library, perform the following tasks:

1. Create a DataFrame from the following data:

Name	Age	Department	Salary
John	28	HR	45000
Alice	34	IT	60000
Bob	23	Marketing	35000
Diana	29	Finance	50000

2. Write code to:
   - Display the first 2 rows of the DataFrame.
   - Add a new column named `Bonus` where the bonus is 10% of the salary.
   - Calculate the average salary of employees in the DataFrame.
   - Filter and display employees who are older than 25.




Home Page - Select or create a n
Untitled7 - Jupyter Notebook
localhost:8888/notebooks/Untitled7.ipynb?kernel_name=python3
UPDATE Read the migration plan to Notebook 7 to learn about the new features and the actions to take if you are using extensions - Please note that updating to Notebook 7 might break some of your extensions.
Don't show anymore
jupyter Untitled7 Last Checkpoint: 3 minutes ago (unsaved changes)
Logout
File Edit View Insert Cell Kernel Widgets Help
Trusted
Python 3 (ipykernel)
Run
Code
In [2]:
print("First 2 rows of the DataFrame:")
print(df.head(2))
df['Bonus'] = df['Salary'] * 0.10
average_salary = df['Salary'].mean()
print("\nAverage Salary:", average_salary)
employees_above_25 = df[df['Age'] > 25]
print("\nEmployees older than 25:")
print(employees_above_25)
First 2 rows of the DataFrame:
Name Age Department Salary
0 John 28 HR 45000
1 Alice 34 IT 60000
Average Salary: 47500.0
Employees older than 25:
Name Age Department Salary Bonus
0 John 28 HR 45000 4500.0
1 Alice 34 IT 60000 6000.0
3 Diana 29 Finance 50000 5000.0
In [ ]:
Finance headline
Government revi...
Search
ENG
IN
18:47
09-01-2025