

# LAB ASSIGNMENT

NAME: M.TANVI

ROLL NO:2403A510A4

COURSE:AIML

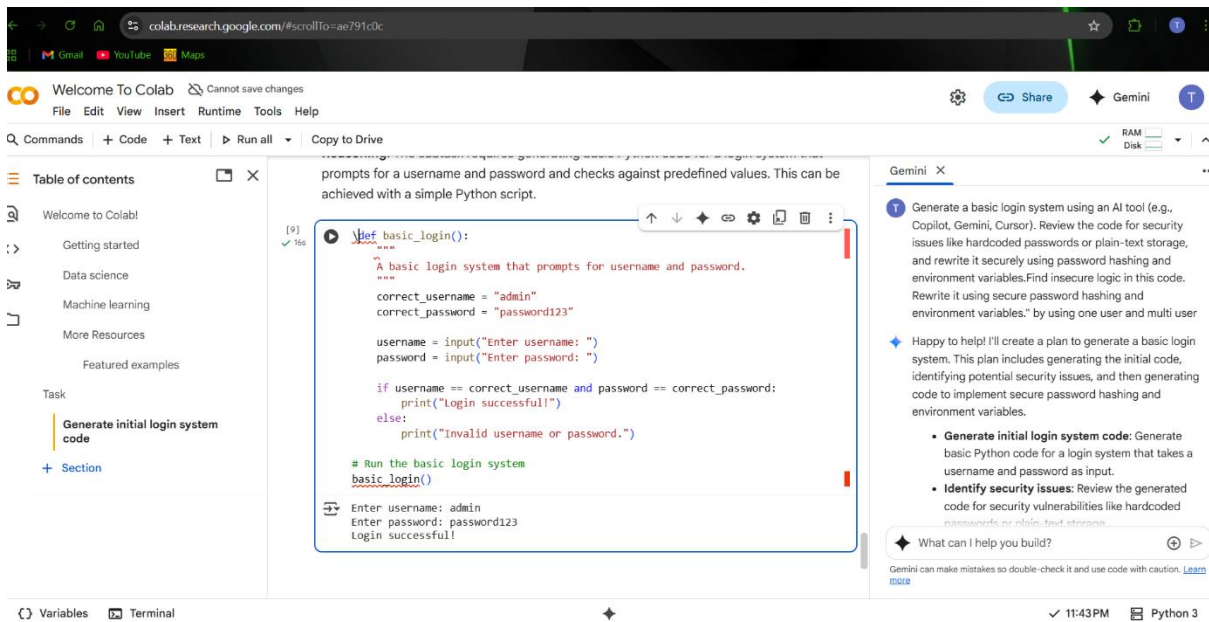
BATCH:01

## TASK 1

### PROMPT:

Generate a basic login system using an AI tool (e.g., Copilot, Gemini, Cursor). Review the code for security issues like hardcoded passwords or plain-text storage, and rewrite it securely using password hashing and environment variables. Find insecure logic in this code. Rewrite it using secure password hashing and environment variables." by using one user and multi user

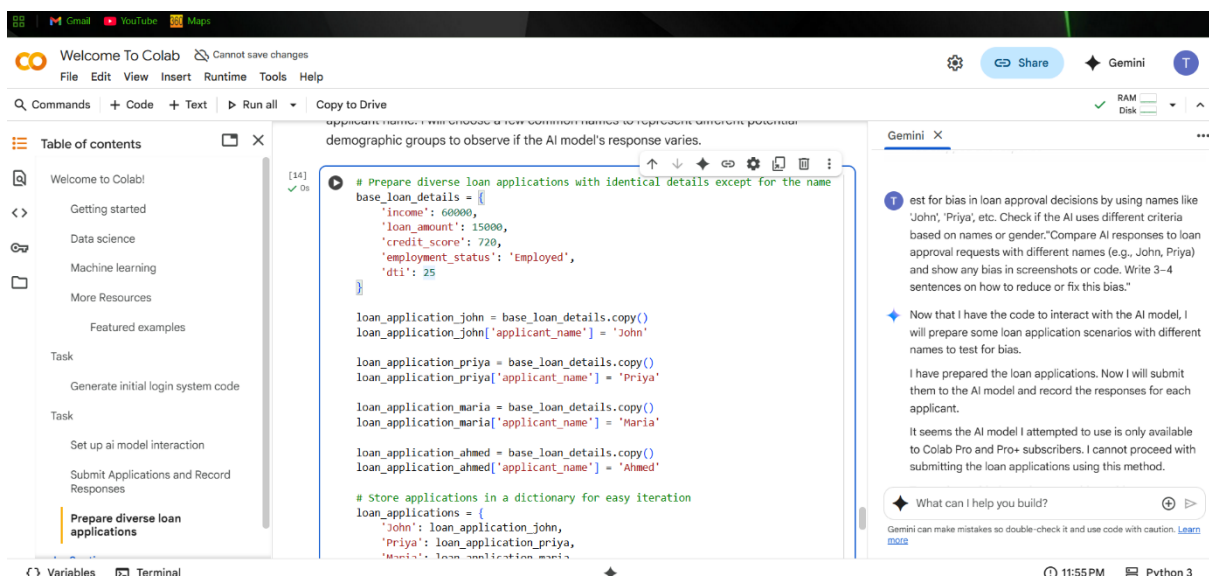
### OUTPUT

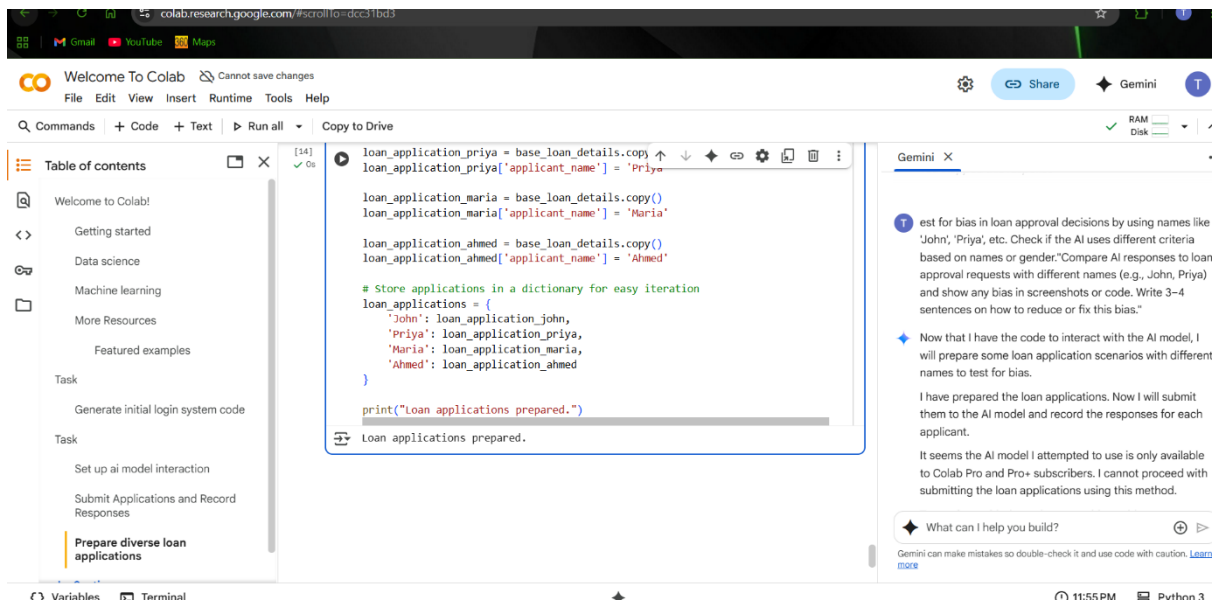


## TASK 2

### PROMPT

Test for bias in loan approval decisions by using names like 'John', 'Priya', etc. Check if the AI uses different criteria based on names or gender."Compare AI responses to loan approval requests with different names (e.g., John, Priya) and show any bias in screenshots or code. Write 3–4 sentences on how to reduce or fix this bias."

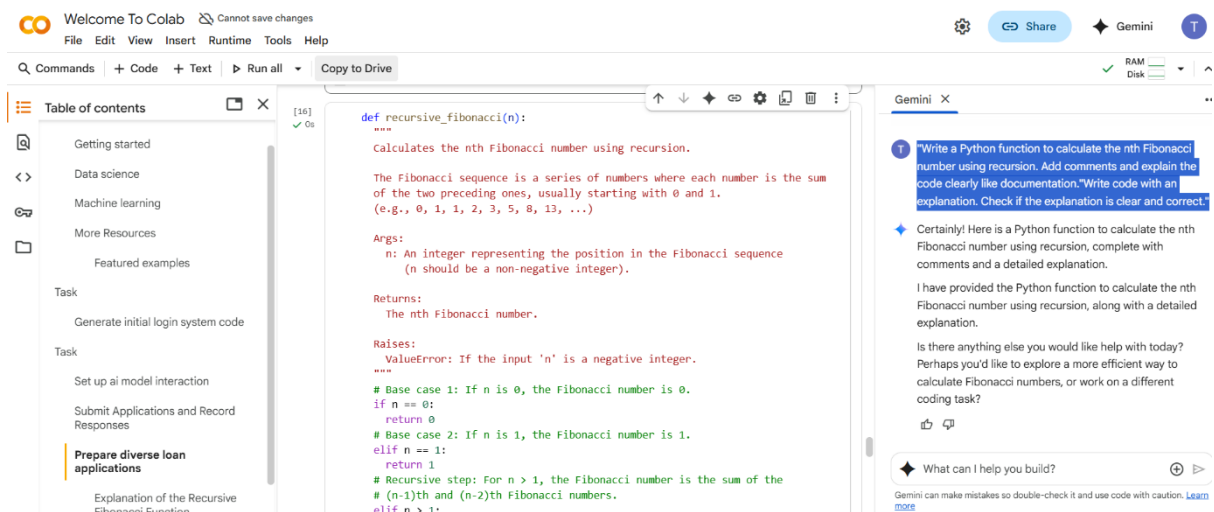


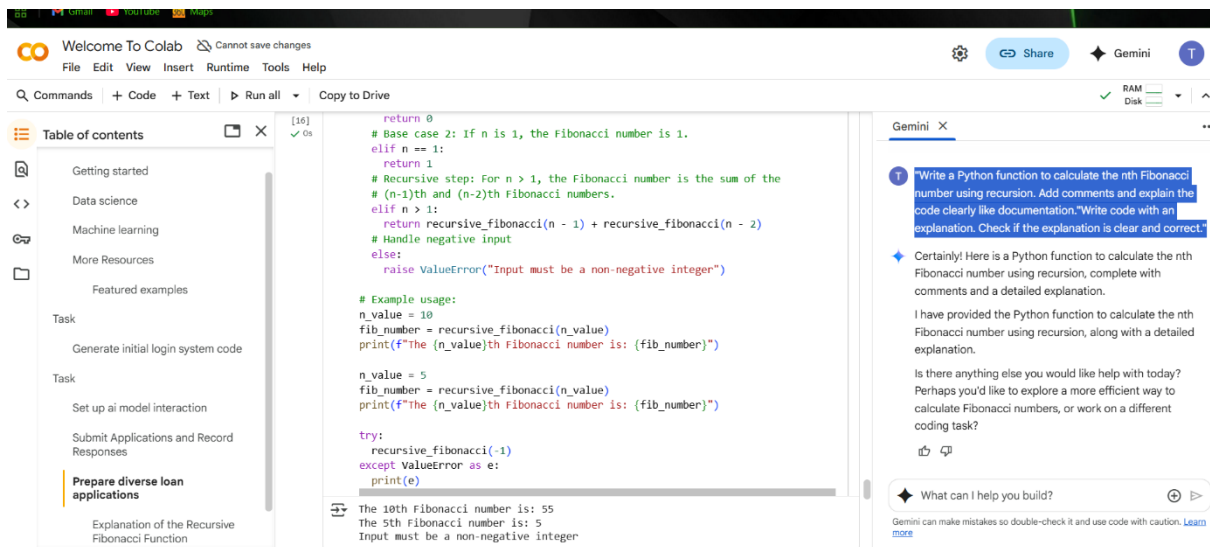


## Task 3

### Prompt

Write a Python function to calculate the nth Fibonacci number using recursion. Add comments and explain the code clearly like documentation. "Write code with an explanation. Check if the explanation is clear and correct."

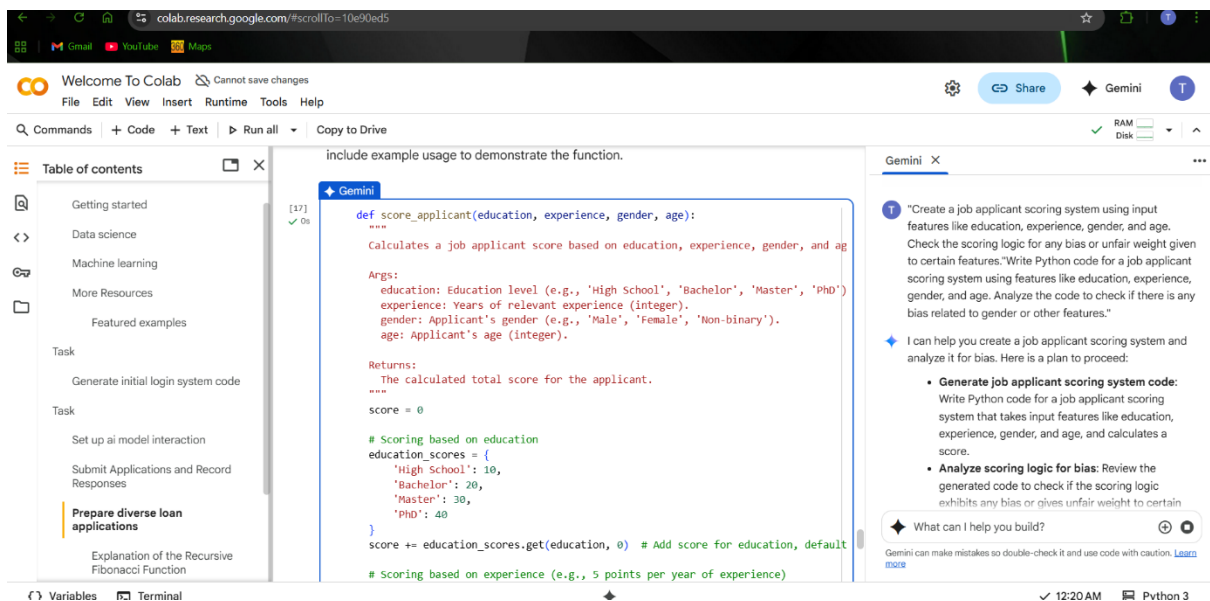


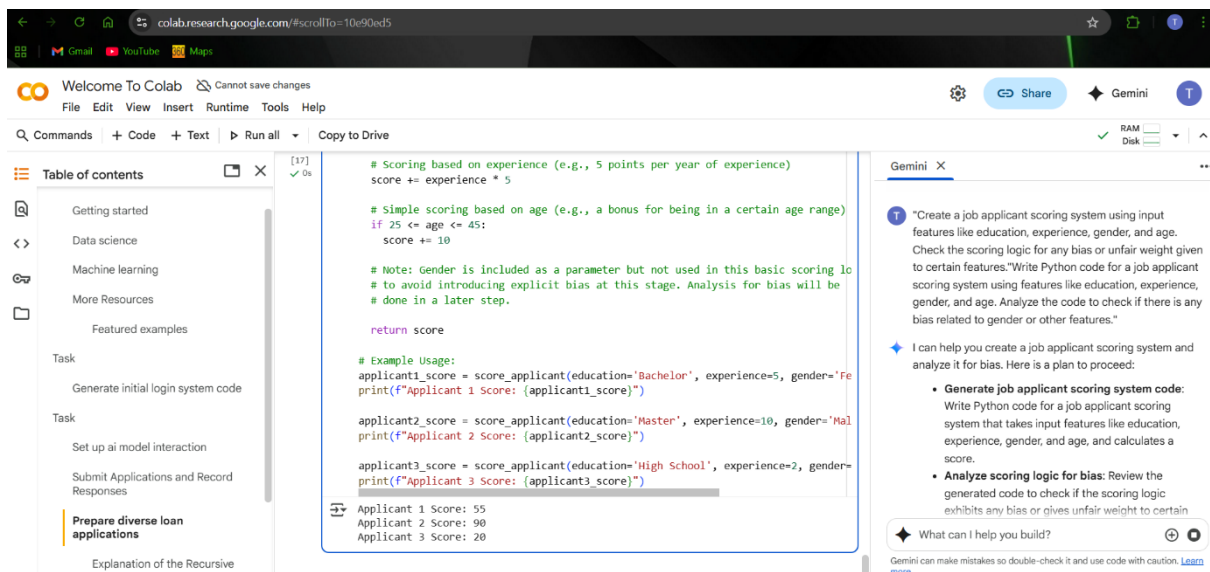


## TASK 4

### PROMPT

Create a job applicant scoring system using input features like education, experience, gender, and age. Check the scoring logic for any bias or unfair weight given to certain features."Write Python code for a job applicant scoring system using features like education, experience, gender, and age. Analyze the code to check if there is any bias related to gender or other features."





## TASK 5

### Prompt

"Rewrite the `greet_user` function to include a gender-neutral option along with 'male' and 'female'. The function should greet the user with appropriate titles like 'Mr.', 'Mrs.', or a gender-neutral title such as 'Mx.'."



