ASSIGNMENT - 3.3

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BATCH: 01

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COURSE : AI ASSISTED CODING

→ TASK 1:

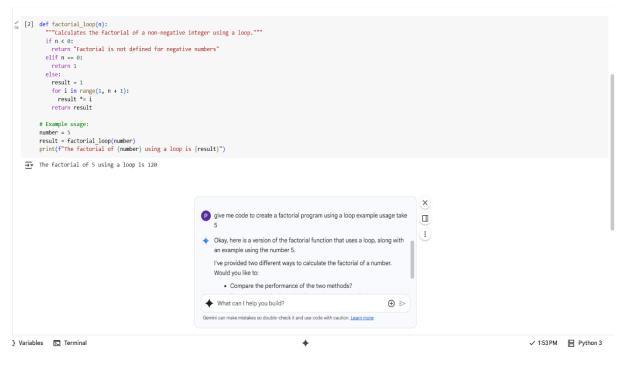
PROMPT 1:

```
\leftarrow \quad \rightarrow \quad \textbf{C} \quad \begin{array}{c} \textbf{25} \\ \textbf{colab.research.google.com/drive/1loRnHLcr8BOa-ErzZ4YT7h4LntwpwmOl} \end{array}
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                                                                                                                                                                         ✓ RAM Usk = ✓
:≡
       → Gemini
if n == 0:
return 1
else:
                 return n * factorial(n-1)
⊙
             # Example usage:
number = 5
result = factorial(number)
print(f"The factorial of {number} is {result}")

    The factorial of 5 is 120

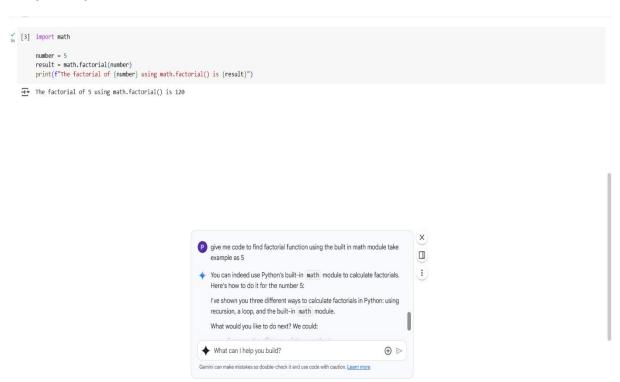
                                                                                                                                                  ×
                                                                     p give me code to find factorial function of a given number
                                                                                                                                                  Sure, I can help with that. Here is the Python code to calculate the factorial
                                                                         of a given number.
                                                                                                                                                  :
                                                                            · Working...
                                                                       ♦ What can I help you build?
                                                                                                                                      \oplus \bullet
                                                                      Gemini can make mistakes so double-check it and use code with caution. Learn more
```

PROMPT 2:



PROMPT 3:

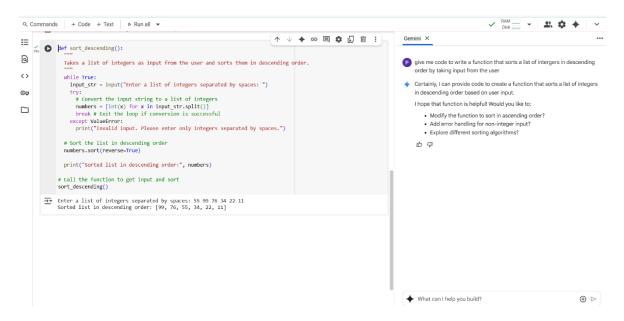
Yariables Terminal



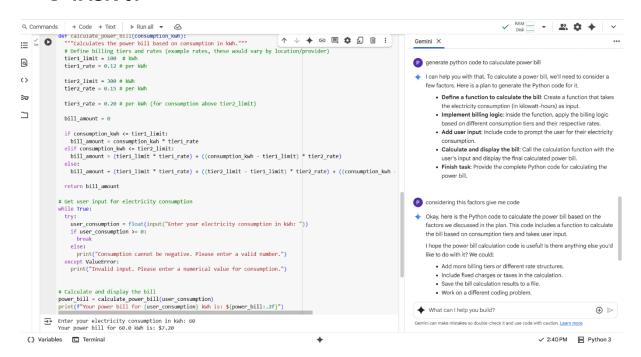
+

✓ 2:06 PM 🔡 Python 3

→ TASK 2:



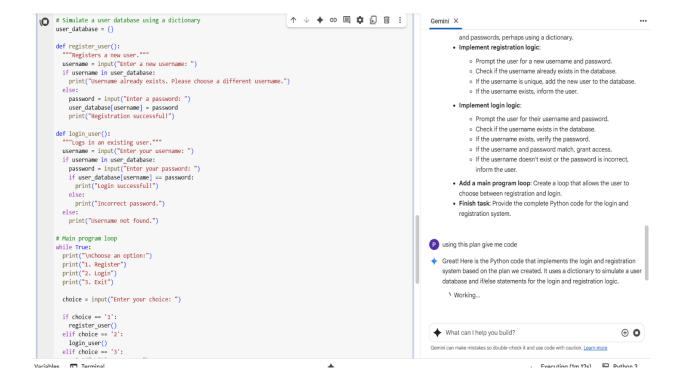
→ TASK 3:

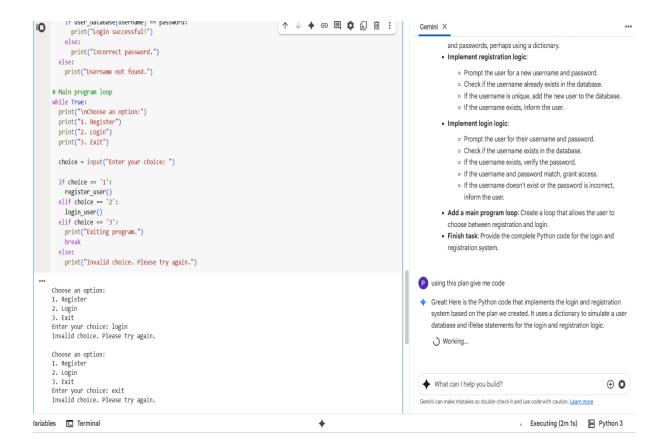


→ TASK 4:

- p generate python code using if and else for login user and registraion user
- I can definitely help you with that. Here is a plan to create Python code using if/else statements for user login and registration.
 - Simulate a user database: Create a simple way to store usernames and passwords, perhaps using a dictionary.
 - · Implement registration logic:
 - o Prompt the user for a new username and password.
 - Check if the username already exists in the database.
 - o If the username is unique, add the new user to the database.
 - o If the username exists, inform the user.
 - Implement login logic:
 - o Prompt the user for their username and password.
 - o Check if the username exists in the database.
 - o If the username exists, verify the password.
 - o If the username and password match, grant access.
 - If the username doesn't exist or the password is incorrect, inform the user
 - Add a main program loop: Create a loop that allows the user to choose between registration and login.
 - **Finish task**: Provide the complete Python code for the login and registration system.







→ TASK 5:

PROMPT 1 (BASIC):



PROMPT 2:

Converting Celsius to Fahrenheit with example:

```
def celsius_to_fahrenheit(celsius):
    """Converts_celsius to Fahrenheit."""
    fahrenheit = (celsius * 9/5) + 32
    return fahrenheit = (celsius * 9/5) + 32

# Lan provide you with that. Here is the function to convert Celsius to Fahrenheit:

# Example usage:
    celsius_temp * 25
    fahrenheit(celsius_temp) = 25
    fahrenheit(celsius_temp) * C is equal to (fahrenheit_temp:.2f)**P")

# 25°C is equal to 77.00°F
```

PROMPT 3:

Asking input from the user in prompt:

