TASK 1: Python Environment Setup & First Script

Tools:

- Python (Official CPython)
- VS Code / PyCharm Community
- Alternatives: IDLE, Jupyter Notebook, Replit (free)

Hints / Mini Guide:

1. Download and install Python from the official Python website and verify the installation using terminal or command prompt.
2. Install VS Code and add the Python extension to enable syntax highlighting and debugging.
3. Create a new project folder and open it in VS Code to simulate real project structure.
4. Create a Python file named hello_world.py.
5. Write a program to print your name, internship role, and today's date.
6. Use variables to store values instead of hardcoding them.
7. Run the program from terminal to understand execution flow.
8. Modify the script to accept user input for name and role.
9. Add comments explaining each line to build readability habits.

Deliverables:

- hello_world.py file
- Screenshot of output in terminal

Final Outcome:

- Intern understands Python installation, file execution, variables, input/output, and IDE usage.

Interview Questions Related To Above Task:

- How does Python execution start?
- Difference between compiled and interpreted languages?
- What is the role of an IDE?
- How do comments help in real projects?
- How do you take user input in Python?

📌 **Task Submission Guidelines**

- ⏰ **Time Window:**

Youcan complete the task anytime between 10:00 AM to 10:00 PM on the given day. Submission link closes at 10:00 PM

- 🔍 **Self-Research Allowed:**

Youare free to explore, Google, or refer to tutorials to understand concepts and complete the task effectively.

- 🛠️ **Debug Yourself:**

Tryto resolve all errors by yourself. This helps you learn problem-solving and ensures you don't face the same issues in future tasks.

- 💸 **No Paid Tools:**

Ifthe task involves any paid software/tools, do not purchase anything. Just learn the process or find free alternatives.

- 📁 **GitHub Submission:**

Create a new GitHub repository for each task.
Add everything you used for the task — code, datasets, screenshots (if any), and a short README.md explaining what you did.

📤 **Submit Here:**

After completing the task, paste your GitHub repo link and submit it using the link below:

- 👉 [Submission Link]