🔹 TASK 5: Functions & Modular Programming

Tools:

- Python
- VS Code

Hints / Mini Guide:

1. Create calculator.py.
2. Define functions for add, subtract, multiply, divide.
3. Pass parameters and return values.
4. Use default arguments.
5. Call functions based on user choice.
6. Separate logic into multiple functions.
7. Handle division by zero.
8. Add docstrings for each function.
9. Test each function independently.

Deliverables:

- Modular calculator program

Final Outcome:

- Intern learns code reuse and modular design.

Interview Questions Related To Above Task:

- Why use functions?
- What is return keyword?
- What are default arguments?
- Difference between parameter and argument?
- What is DRY principle?

📌 **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]