Task 1 : Java Console Calculator.

- **Objective:** Build a basic calculator using Java console I/O.
- **Tools :** Java (JDK), VS Code or IntelliJ CE, Terminal/Command Prompt.
- **Deliverables:** Java source code (.java file).

Hints/Mini Guide:

1. Create methods for addition, subtraction, multiplication, division.
2. Use Scanner to get user input.
3. Use a loop to allow multiple calculations until the user exits.

Outcome: Understand Java syntax and logic flow.

Interview Questions:

1. What is method overloading?
2. How do you handle divide-by-zero?
3. Difference between == and .equals()?
4. What are the basic data types in Java?
5. How is Scanner used for input?
6. Explain the role of a loop.
7. Difference between while and for loop?
8. What is the JVM?
9. How is Java platform-independent?
10. How do you debug a Java program?

Key Concepts: OOP, methods, conditionals, loops, I/O.

📤 **Submit Here:**

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

- 👉 [Submission Link]

📌 Task Submission Guidelines

- ⏰ **Time Window:**

You can 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:**

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

- 🛠️ **Debug Yourself:**

Try to 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:**

If the 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.

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