Task 4 : Build a REST API with Flask

- **Objective: Create a REST API that manages user data.**
- **Tools :Python, Flask, Postman or Curl**
- **Deliverables: Flask app with GET/POST/PUT/DELETE routes**

Hints/Mini Guide:

1. Use Flask to create endpoints
2. Store users in a dictionary or in-memory list

- **Outcome:** : API development fundamentals.

Interview Questions:

1. What is Flask?
2. What is REST?
3. Difference between GET and POST?
4. How does a Flask route work?
5. What is request.json?
6. What are status codes like 200, 404?
7. How do you run a Flask app?
8. What is JSON?
9. How to test an API?
10. Can we use a database instead of memory?

Key Concepts: **REST, HTTP Methods, Flask**

📤 **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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