Task 6:Create a Contact Form and Validate Inputs Using JavaScript

- **Objective: Build a contact form with client-side validation for name, email, and message.**
- **Tools: VS Code, Chrome Browser.**
- **Deliverables: HTML form with validation script and user feedback messages.**

Hints/Mini Guide:

1. Build HTML form with input fields: Name, Email, Message, Submit.
2. Style form with CSS for clarity.
3. Add JavaScript to validate inputs on submit: non-empty, valid email format.
4. Show error messages below inputs if validation fails.
5. Prevent form submission if invalid.
6. Show success message on valid submission (no actual sending).
7. Test edge cases: empty inputs, invalid email, special characters.
8. Use regex for email validation.

- **Outcome:** : Learn form handling, validation, regex, user feedback.

Interview Questions:

1. How to validate form inputs in JavaScript?
2. What is event.preventDefault()?
3. How to check email format with regex?
4. Difference between client-side and server-side validation?
5. How to show error messages dynamically?
6. What is form submission?
7. How to improve form accessibility?
8. How to handle form reset?
9. What are common security issues with forms?
10. How does HTML5 built-in validation differ from JS validation?

Key Concepts: **Form Elements, Event Handling, DOM Manipulation, Validation, Regex.**

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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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