**Module 6 – Mernstack – Javascript Essential and Advanced**

Question 1: What is JavaScript? Explain the role of JavaScript in web development

JavaScript (often abbreviated as JS) is a **high-level, interpreted programming language** primarily used to make web pages interactive. It is a **client-side scripting language**, meaning it runs directly in the user’s web browser, although it can also be run on the server using environments like Node.js.

JavaScript was initially created to **add dynamic behavior to static HTML pages**, such as updating content, validating forms, and responding to user actions.

**Role of JavaScript in Web Development:**

1. Client-Side Interactivity
2. Dynamic Content Manipulation
3. Asynchronous Communication
4. Web Applications and Frameworks
5. Server-Side Development