

Part 1: Short Questions Answer

1.What is client-side and server-side in web development, and what is the main difference between the two?

Ans: Client-side refers to code running on the user's device (e.g., web browser), while server-side runs on the server. The main difference is that client-side handles UI and user interaction, while server-side manages data processing and communication with databases.

2.What is an HTTP request and what are the different types of HTTP requests?

Ans: An HTTP request is a message sent by a client to a server for a specific action or resource. Types include GET (retrieve data), POST (submit data), PUT (update), and DELETE (remove).

3.What is JSON and what is it commonly used for in web development?

Ans: JSON (JavaScript Object Notation) is a lightweight data-interchange format. It is easy to read and write for humans and machines. JSON is commonly used in web development to transmit data between the client and the server.

4.What is a middleware in web development, and give an example of how it can be used.

Ans: Middleware is a piece of software that sits between the client and the server. It is used to handle common tasks, such as authentication, authorization, and logging. Middleware can be used to improve the performance and security of a web application.

5.What is a controller in web development, and what is its role in the MVC architecture?

Ans: Controller is a part of the MVC architecture. MVC means Model-View-Controller. It is responsible for receiving requests from the client, interacting with the model, and returning a response to the client. The controller is the glue that holds the MVC architecture together.