

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

Answer:In web development, client-side refers to the execution of code on the user's device (typically in a web browser), while server-side refers to the execution of code on the server. The main difference is that client-side code is responsible for handling the user interface and interactions, while server-side code handles data processing, business logic, and database operations.

Question-2:What is an HTTP request and what are the different types of HTTP requests?

Answer:An HTTP request is a message sent by a client (usually a web browser) to a server, requesting a specific action or resource. There are several types of HTTP requests, including GET, POST, PUT, DELETE, and more. Each type serves a different purpose: GET is used for retrieving data, POST is used for submitting data, PUT is used for updating data, and DELETE is used for deleting data.

Question-3:What is JSON and what is it commonly used for in web development?

Answer:JSON (JavaScript Object Notation) is a lightweight data interchange format. It is commonly used in web development to transmit data between a server and a client, or between different parts of an application. JSON provides a simple and readable format for representing structured data, such as objects and arrays, making it easy to parse and generate data in different programming languages.

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

Answer:In web development, middleware acts as a bridge between the server and the application, intercepting and processing requests and responses. It provides a way to add additional functionality, such as authentication, logging, error handling, or modifying request/response data. For example, a middleware can be used to authenticate user requests by checking their session or adding additional security headers to the response.

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

Answer:In web development, a controller is a component or module that handles the user's input and coordinates the application's response. It is part of the Model-View-Controller (MVC) architectural pattern. The controller receives input from the user, interacts with the model (which represents the application's data and business logic), and updates the view (the user interface) accordingly. Its role is to manage the flow of data and control the application's behavior based on user interactions.