

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

Answer: Client-side mean frontend web development and server-side mean backed web development. In client-side user can see that is going on but In server-side all the activities are hidden from the user. Only a developer who has done it know everything . For example we can give user name and password but we dont know how it is checked and show if we are eligible or not.
The main difference is server-side is hidden and client-side is not.

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

Answer:Hyper text peotocol is a command sent by a client toserver .
there are somme types od HTTP request
GET,POST,DELETE,PUT,PATCH,HEAD,OPTIONS.

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

JSON is a lightweight data sending nad receving format that can be used in every language .
It is used to send data between server and web application

4.What is a middleware in web development, and give an example of how it can be used?
Middleware is a controller that exciute after sendiong request and before response.

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EXAMPLE:
const express = require('express');
const app = express();

// Middleware function
const middleware = (req, res, next) => {
  console.log("middleware is working");
  next(); // Proceed to the next middleware or route handler
};

app.use(middleware);

app.get('/get', (req, res) => {
  res.send('Hello GET!').end();
});
app.post('/post', (req, res) => {
  res.send('Hello Post!').end();
});
app.delete('/delete', (req, res) => {
  res.send('Hello delete!').end();
});
app.put('/put', (req, res) => {
  res.send('Hello put!').end();
});

app.listen(8080, () => {
  console.log('Server is working at 8080');
});

//here middleware will call everytime to all routes link put,delete,get,post and wrong(if path is wrong) too etc
```

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

ANSWER:The code that control everything between request from client and response from server.
Controller is responsible for http and https request. It recives user input,update the model,handles user command etc