

Good Morning :)

what is the purpose of JQuery APis?

val() text() html()

what is the diff bet innerText and innerHtml ?

innerText = "xyz" }} browser xyz

innerHTML ="xyz" }} browser xyz in bold

what is the purpose of arr.map () - to create a new array by processing each element of arr

let arr=[10,20,30]

let newarr= arr.map((e)=>{return ele+1})

what are the http methods used in REST web service ?

Where is the Restful web service and where is the call?

what is AJAX ?

API for AJAX in JS -- XMLHttpRequest

What is the purpose of express?

What is a prototype in JS ?

What is JQUERY API data() ? to access custom data attributes

what is epoch time?

what is purpose of parent() children() API In jquery

what are html validation attributes ?

Javascript ---- ECMA 6 syntax

1. Object and Array Destructuring Syntax
2. import and export

When the JS code spans multiple files - we need to export from one file

And import into other file

if export default	import calculate from "./lib"
only export	import { calcProd, calcDiv } from "./lib"
one file can have only one export default but many export	
ALIASING ---- give another name	
export default	import sum from "./lib"
export	import {calcProd as product } from "./lib"

Earlier JS specs used **requires** instead of import !!!

3. Spread syntax ----

Express Server ----

1. Web server that listens continuously --- app.listen(port, callback)
2. App.get() , app.post() , app.put() , app.delete()

above functions can be called

- a) By postman
- b) By Ajax
- c) GET can be called directly through url window
- d) GET and POST can be called through form submit

Using form- submit to communicate with server is done in MPA ---
Servlet JSP / PHP / dotnet ASP

Using Ajax to communicate with server is done in SPA -- REACT

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1. Passing data in path parameter

<http://IP:port/greet/abc/pqr/itengineer>

SERVER SIDE

Declare path parameter

`app.get("/greet/:uname/:lname/:profession, callback)`

Collecting the path parameter

From request object

`let x = req.params.uname`

2. Passing data in query parameter

<localhost:5000/queryparam?user='chitra'>

Declare

`app.get('/queryparam', (req, res)=>{})`

Collect and use the query param

`let x = req.query.user //after this process the data`

If I have too many services for get,post,put,delete ----we need to **organize** the
Services based on functionality or features or module

Solution = use **Routes**

Include the express **Router** and link the routes with path

```
var mathroutes= require('./routemodule2.js');  
app.use('/maths',mathroutes);
```

Whenever a url request comes with /maths then redirect it to mathroutes
Mathroutes is the routemodule2.js

`resp.send(anything)` ---- used to send data in string or json etc

`response.render()` ----- used to send a dynamic html to the client

How to generate a dynamic html when the SERVER side express node

1. Server side is JAVA ----- dynamic html --servlet/jsp
2. Server side is dot net -----dynamic html --- asp
3. Server side is express node ----- dynamic html --- **Template Engines**

Template Engines ---- EJS , handlebars , pug

