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Library vs framework

- Library----->a library is a collection of pre written code that can be used to perform specific task. Examples----->axios
- Framework----->a framework is set of pre-written code that provides a structure for developing software applications. Examples -----→ express

Express

- A nodejs web application framework that helps us to make web applications
- It is used for server side programming
- Express is actually present in a pacakage inside npm
- http://expressjs.com/en/4x/api.html -----> documentation for express

Function of express

- Listen to incoming request
- Parse the request message
- Match response with routes
- Sending respone to suitable routes

Getting started with express

- Create a folder named expressdir
- Open terminal and do these things
 - o Npm init
 - Npm install express
 - Touch index.js
- Inside index.js write below algo and run it

```
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DOTORESOR

JS indexjs X

Const apprexpress();

(1) package-lockjon

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(2) package-lockjon

(3) console.log("kartik");

DOTORESOR

JS indexjs

Social apprexpress();

(4) package-lockjon

(5) console.log("kartik");

DOTORESOR

JS indexjs

Social apprexpress();

(6) console.log("kartik");

DOTORESOR

JS indexjs

Social apprexpress();

(7) package-lockjon

(8) console.log("kartik");

DOTORESOR

JS indexjs

Social apprexpress();

(8) console.log("kartik");

DOTORESOR

JS indexjs

Social apprexpress();

(8) console.log("kartik");

DOTORESOR

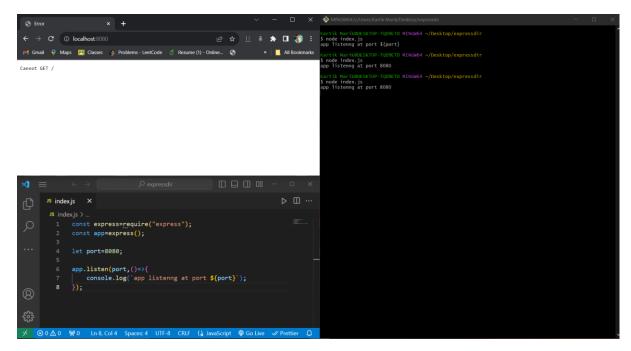
JS indexjs

Social apprexpress();

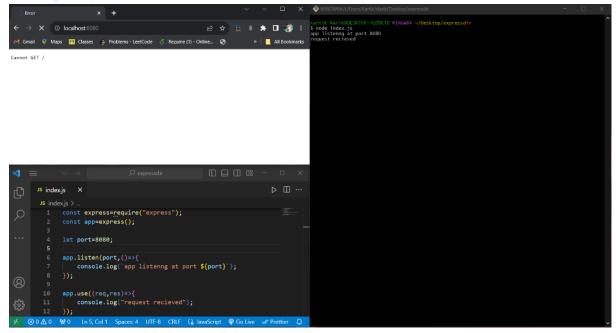
CONSOLE STATE Apprexpress()
```

Port

• Port are logical endpoints of a network connection that is used to exchange information between a webserver and a web client.



Handling request



Sending request through hopscotch

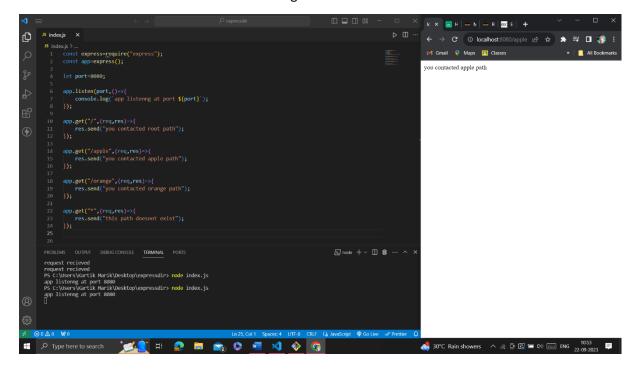
- o https://hoppscotch.io/
- o Add the extension to send request from hopscotch in local
- o https://github.com/hoppscotch/hoppscotch/discussions/2051
- o Do changes and then send request and see terminal

Sending response

- Sending string
- Sending objects
- Sending html file

Routing

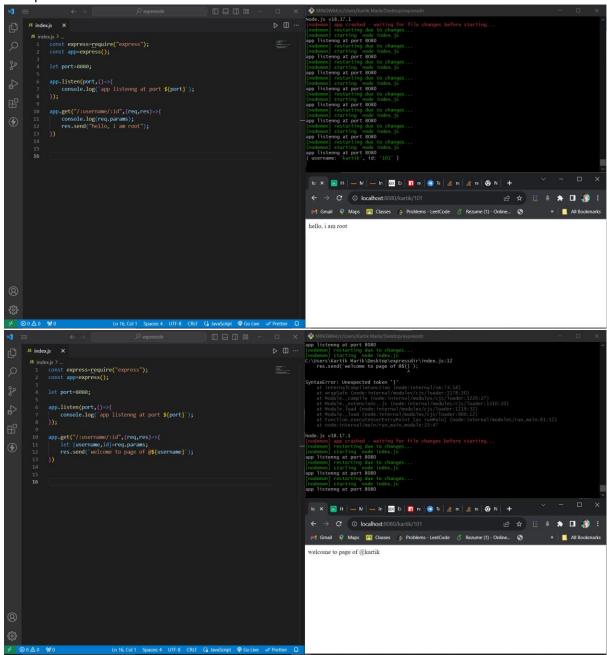
- It is a process of selecting a path for traffic in a network or between or across multiple networks
- o Get method is used for routing



Nodemon

- To automatically restart server with code changes
- Always install globally and in gitbash orr cmd not on vs terminal

Path parameter



Query string

• Observe the url very carefully

