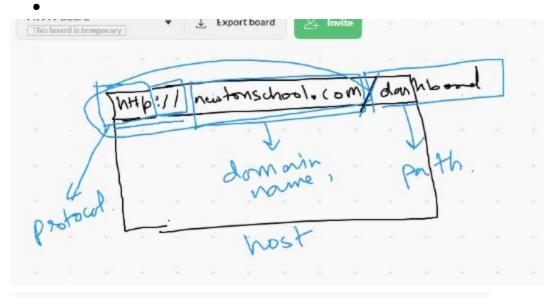
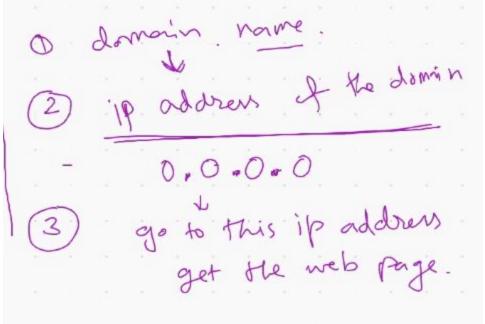
Date: 26th nov 2020

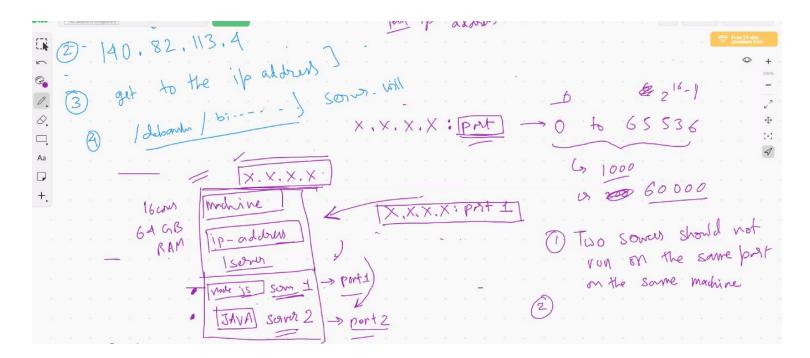
Day: 9.4

Title: Networking - 26th November, 2020

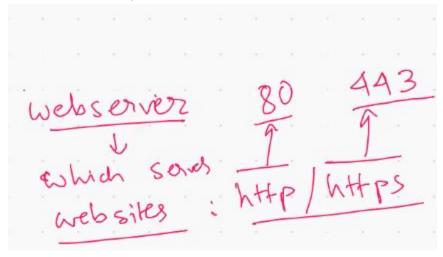
Topics Covered:





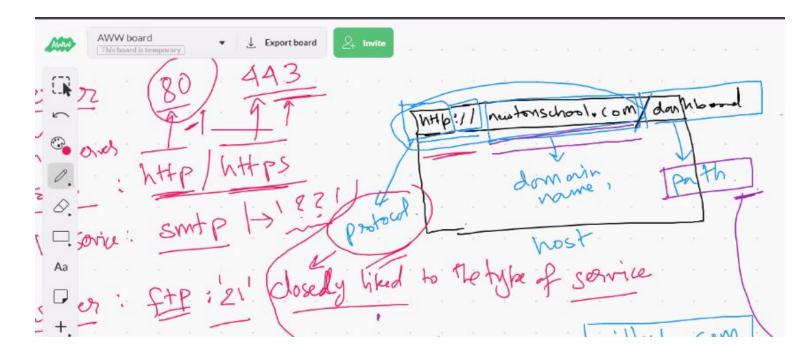


Webservice: if server provide mail service , then mail is the webservice Protocol is is closely link to webservice



Smtp port?

By default https will hit 443 port i.e if we don't put any port in the url



http://github.com/debonshi

40.82.113.4:80/debonshi

https://github.com/debonshi

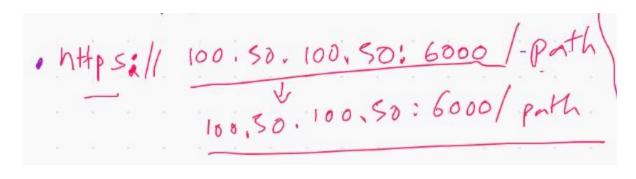
140.82.113.4:443/deboh.

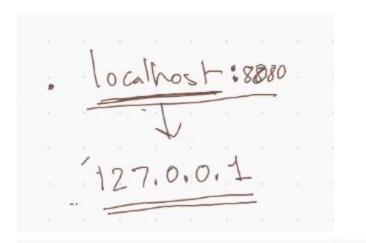
It doesn't mean it just has to run on 443 It just a convention

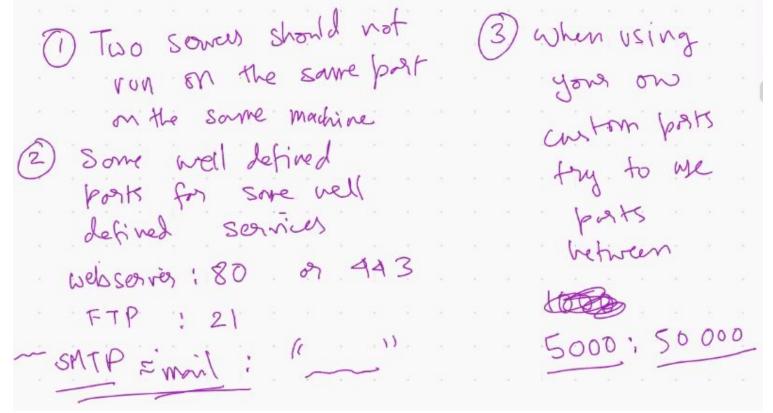
http:// github.com: 8000/debanshe 140.82.113.4:8000/debanshe

This is also possible

But it will not give any response because github is not running its server on 8000







Try to usethe port in this range, because system may be using the port before and after that

When we go to google .com it hits 80 port then it redirects it to port 443 to https

northoard 2 Invite

NHTTP

NHP VEND

GET

domain, name / bath

POST

Nost

PUT

PATCH

http verb,

GET domain, name / bath dath from some

POST host send a body to the

search

Com do the enact some

Thing as PUTIPOST

Thing as GET

DELETE

DELETE

HTTP

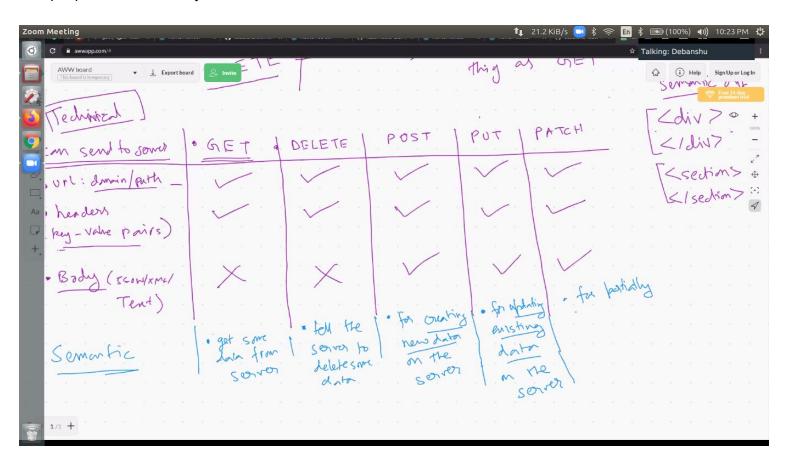
Jetching some

Road the enact some

Com do the enact some

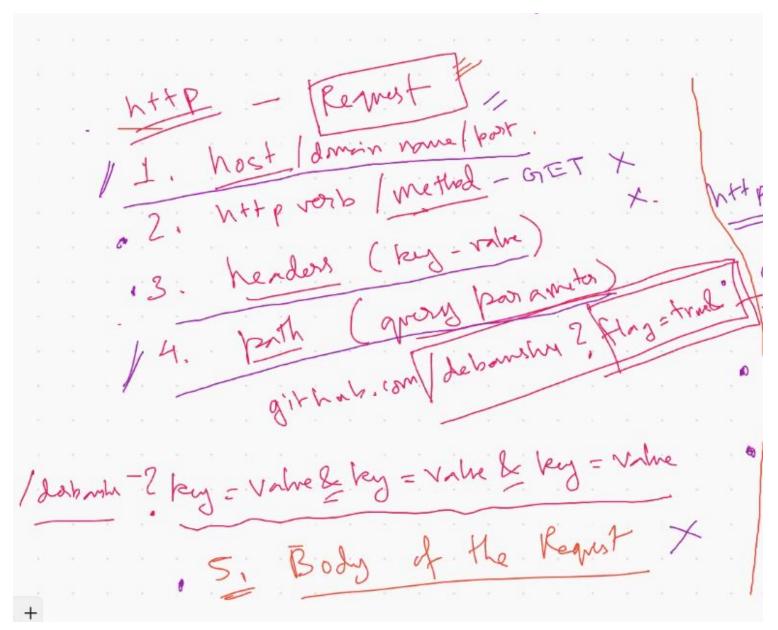
Thing as GET

With get and delete can't send body to the server Post put patch can send bdy to the server





While using fetch function by default always use 'GET" request method



Anything after question mark is query parameter, which is in key value pair

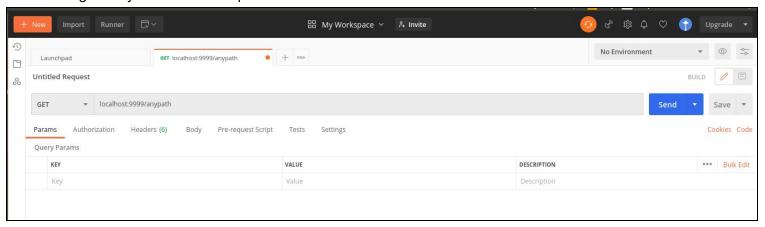
Point 1 and 4 can be customized and point 2 and 3 can't be customised and point 5 (body) can't be customized in the browser

# Request.host prints the host

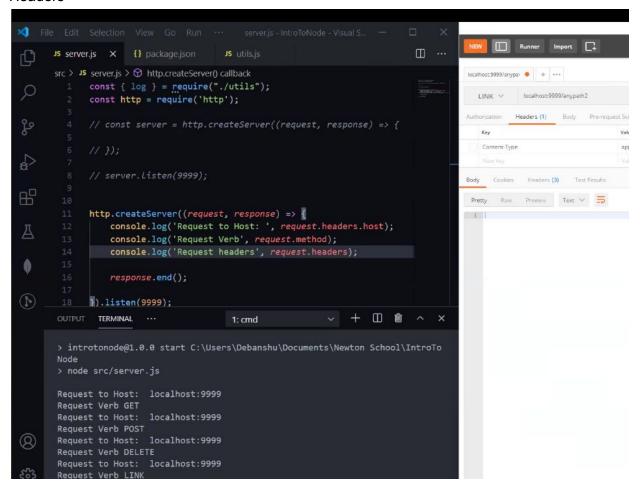
Host

```
JS server.js X
              {} package.json
                                                                        田
                                  JS utils.js
src > JS server.js > ...
       const { log } = require("./utils");
       const http = require('http');
      // const server = http.createServer((request, response) => {
      1/ 3);
      // server.listen(9999);
       http.createServer((request, response) => {
           console.log('Request to Host: ', request.headers.host);
           response.end();
       }).listen(9999);
                                                               OUTPUT
        TERMINAL
                                   1: node
C:\Users\Debanshu\Documents\Newton School\IntroToNode>npm start
> introtonode@1.0.0 start C:\Users\Debanshu\Documents\Newton School\IntroTo
Node
> node src/server.js
Request to Host: localhost:9999
```

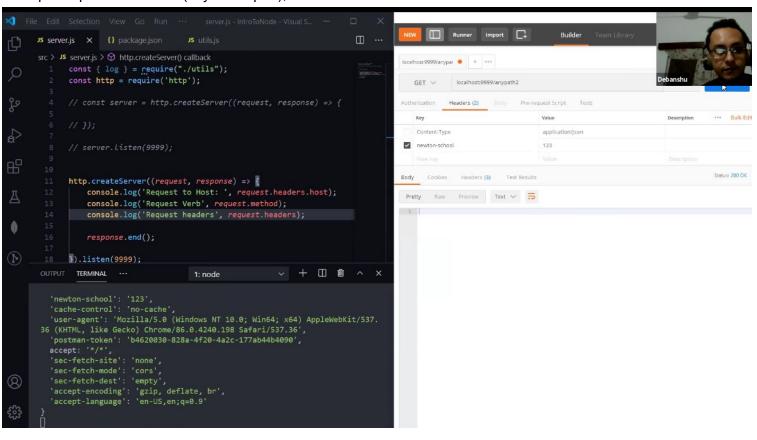
After clicking send you received Request to Host: localhost:9999



#### Headers



### Don't put duplicate headers (key value pair),



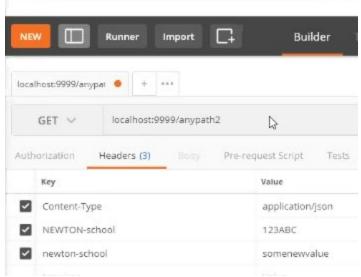
#### Path

```
http.createServer((request, response) => {
    console.log('Request to Host: ', request.headers.host);
    console.log('Request Verb', request.method);

// console.log('Request headers', request.headers);
    console.log('Request Path/query params', request.url);

response.end();

}).listen(9999);
```



```
\Box
                                                                   勯
OUTPUT
        TERMINAL
                                   1: node
  'sec-fetch-dest': 'empty',
  'accept-encoding': 'gzip, deflate, br',
  'accept-language': 'en-US,en;q=0.9'
Terminate batch job (Y/N)? Y
C:\Users\Debanshu\Documents\Newton School\IntroToNode>npm start
> introtonode@1.0.0 start C:\Users\Debanshu\Documents\Newton School\IntroTo
Node
> node src/server.js
Request to Host: localhost:9999
Request Verb GET
Request Path/query params /anypath2
Request to Host: localhost:9999
Request Verb GET
Request Path/query params /anypath2
```

## Query parameter

