Async Javascript

- ek command complete na ho, dusta shuru nahi hoga inches and the 21 + 21
- Async means, sare kam ek sath shuru honge iska answer pehle aayega wo a Jawaab dedega

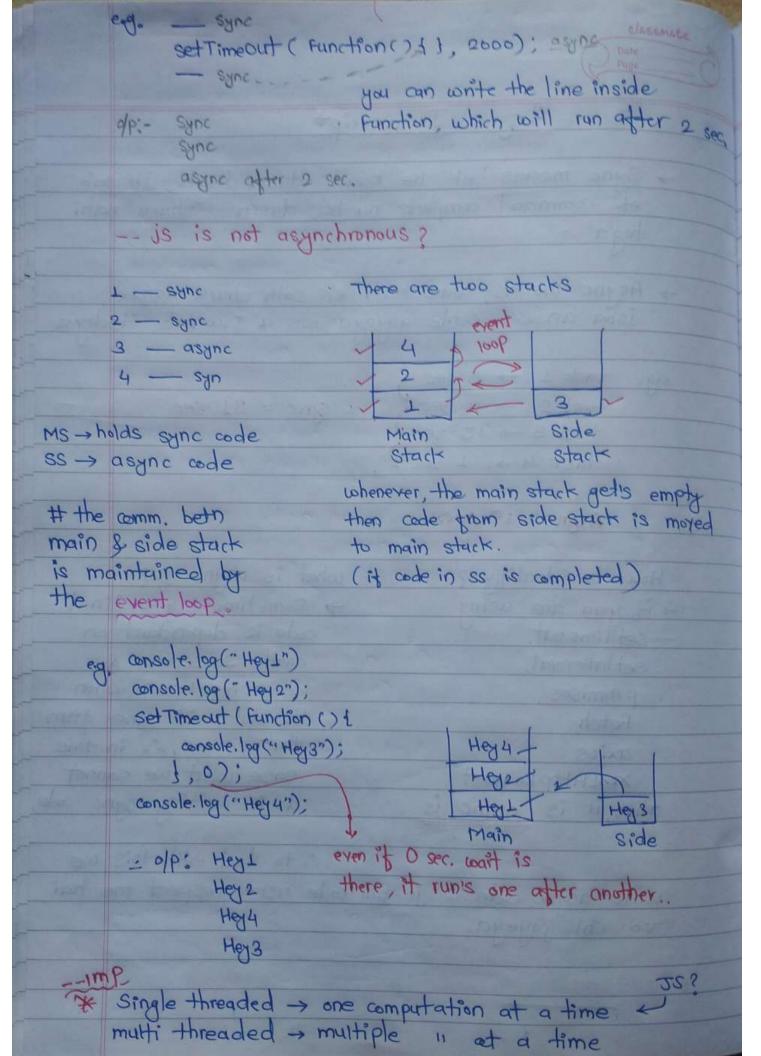
e.g. task 1 -> 5 sec tasks > 10 sec sync = 31 sec tasks -> 15 sec. task 4 > 1 sec. 2

ASYNC = 15 sec.

→ if you are using set Timeout, set Interval, promises, Fetch. axios XMLHttpRequest then, it is async is

How to identify? what is async is? > Sometime's your final code is dependant on another's server & we never know when the data will come from that server, .. in this case what we cannot do is writing sync code.

i to deal with this we write async code & jo bhi code uske respect me hai vo chi jayega.

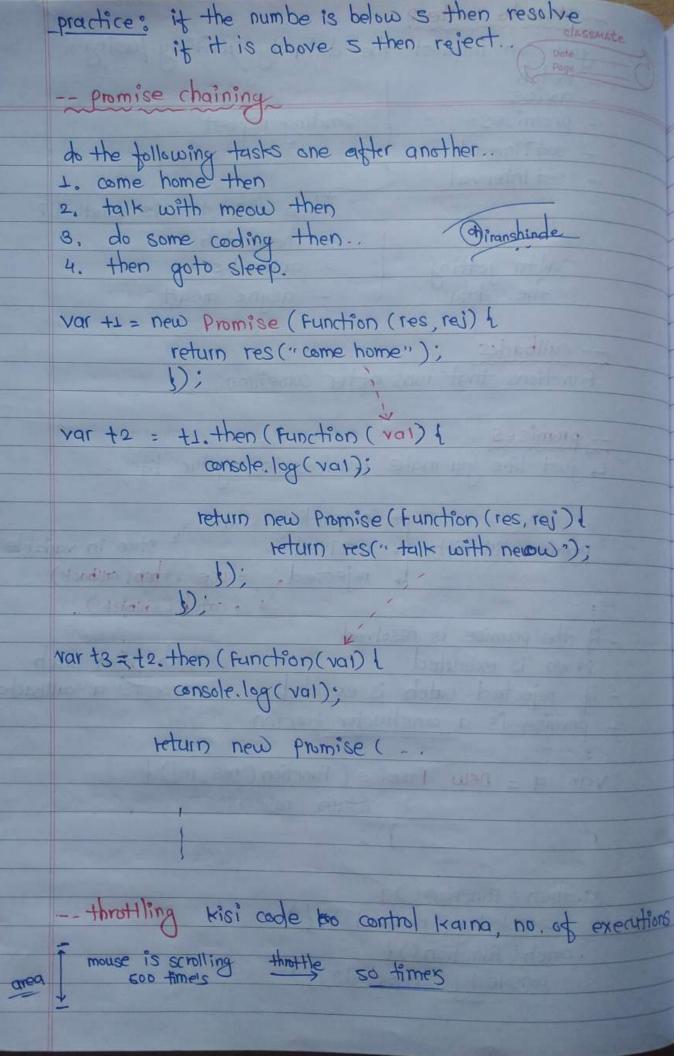


-- How to write? you can request the data by writing / using ... axios sending request - promises - setTimeout - set Interval where this data is handled? - then catch - callbacks after getting the data async await - callbacks functions that runs after sometime. -- promises Ly just like you make promises in regular life promise will either resolved state,

resolved state store in variable

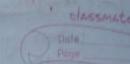
rejected use then (callback)

rejected cartch (callback). if the promise is resolved then is executed both then catch if rejected catch is executed. accepts a callback, promise is a constructor function var q = New Promise (Function (res, rej) return res(); a. then (function () { console.log ("resolved"); }) . catch (function () { console.log("rejected")))



```
- async await
    when you are fetching some into. by sending a request on url.
    fetch ('https:// randomuser.me/) -> returns promise.
                                         ... apply then
     . then (Function (val) {
                                      → again you need to convert raw data to
     return val. json ();
                                              ison : use then
     · then (Function (val) {
                                       -> finally get the date
         console.log(val);
   you can eliminate this process by using async await
  1. make the nearest parent function async
2. await the Fetch
    3. quait the joon docta...
1 1 awit removes 1 . then ..
 engl async get Function get User () {
      var raw = await Fetch('url');
         var data = await raw.json();
        console. log (data);
                                  auto Tiblique and a
   getuser();
  -- concurrency is me sync code and async code ek sath process ho rha tha, this is concurrency
   - parallelism Focuses on different processor's &
   their core's
```

Ecmascript -> Js standard ...



Some Other ES6 Concepts.

- > In older is there were 3 types of functions.

1 Function statement 1 Function expression

function sum (a, b) { return a+b;

const add = Function (a, b) return a+b;

3 Anonymous function

const square = function (x) { @ const double = (num)=) return x *x;

num x2:

- -> In new is, there is only one function arrow function
 - 1) Basic Fat arrow function 1 with one parameter

(12); may

var a = () ⇒ {}

yar a = param => 1 } 9(12);

3 with implicit return

var g = () => 133;

console.log(g()); Ly 133~ * when you pass multiple arguments then usk 1st way ..

template literals (Backticks)	
Liver streller tone out	Date Date
in normal way.	Page
console.log ("2+2 is", 2+2," and 2*3 is", 2*3)	
Light and the same of the same and the same	
but using template literals	
`2+2 is \${2+2} and 2+3 is \${2*8}	
default values	
Function abod (param)	Function abod (param=0)
4	FUNCTION ADEA (PAI 411120)
console, log (param);	console. log (param);
}	1
abcd(1);	abcd (10);
abcd();	abcd ();
How the street Total	al at planeas it -
0/6: 7	o/b: To
undefined	0 0
without default	with default.
willious dejaus	will de Paril
spread & rest	(r, b) ") alace a little
	1 2 [3,4.5]
var a = [1,2,3,4];	Function sum (9, b, c)
var b = [a];	
1	- Rest
Spread	
copying values	
	a sum (1,2,2,4,5);
	when you want to carry
	when you want to copy remaining values.
	Tellialling Values.

```
-- destructuring
 getting values out from array, objects.
                              var abj = { name: "Kiran", geizi
var arr = [1,2,3]
                              var (name) = obj;
var [a,b,c] = arr;
                                   "Kiran"
 Var [x, , z] = arr;
                                      Texter Hunfall
console.log ("Hey"); interpreted .. o/p > Hey
 - try catch
                   -> now, this throws an error
console.log (Hey);
console.log("Hey");
                            no line's after it are xecuted.
     consolerlog("Hey");
    console.log(Hey);
                                          Het is not defined
     catch (err) d
        console, log (err);
      console log ("Hey");
                                    TRAIN & VEST
```