Turwash Notes 18th Feb 2023
Turwash Notes
DOM + Modern 15 - class 2
-> when we will load our code every is code
will run, But we want some code d' to run
afty Some Events.
Thati we have, Browser Events,
The Scrall  Scrall  Scrall  Daubu Click  by Brawsur.  Don't ing etc)
resond to event (moniter Events)
- Data Stored in event
- Step an event
phases/lifecycle of event.
H M II F
Moniter Events (write in console)
moniter Events (document);
to see the Events.  of Website
This method will let us see different Events, as they are occuring.
Events, as they are occuring.

moniter Events ()

Sturn on the events trigger Ummonitor Events () -> Tuen off. Classes are like Bureprint?

I objects are Reality ? in is > [interface] are like Bureprint > Add Eventlistener() -> remove Event listener() -> dispatch Event() EventTarget Node element ] interface implemented Top lever interface inherits No parent having 3 nutrods Loode. by object that can receive events e may (Event Target have disteners for Node) thum \* Event listener: - Respond for Events after Received All methods of / properties of EventTarget is inherited by Norde Element? - Element Inherits from Worde. To, also from Event target.

Event Target - interface - Top-level-Entity.
Node 3 methods
elements.  add Eventlistener ()
- remove Event listenu ()
- dispatch Event()
1) add Eventlistener ()
ue con -, listen to event
Ly Respond to event
( Two mitus)
Cevent tauget? add Frent Listener (2eth to listenfor?)
(ne Need) Lhunction - to- ru
(1) Frent-topach when event
Devent type -> click
3 function sorou. etc.
> what to do when
event
) On which happened component
+ document
div
vîdeo
erc.

eg: (1) add Event Listenu document. add Eventlistener ('Click', Junction () & Console log ("I clicked on Document") *`* ( ፈ New when you will Click the HTML Downerd. 'I clicken on Documens' will be printed in console You can also add it in any particular element rather than whole document. I to See Changes in element. let content = downerst.quigeleter ('h1'); Contend. add Eventlistener ('click', Junction () & content. Style backgraund = 1 red; Remove Event Ustener US douse Strict equality Equality allows Type (cercion) items being compared to Seme type

The Function you have passed For add Evens listoner you need to pass the Exact Function to remove Eventlistener. We can only Pernaue when we with create function with name Separately. gundion print () of (onsoli. log ('Hi'). document. add Event listener ('Click', print); document. remove Event listenu ('Click', print). This will how remove event listener will work betause function is an Object in javascript. if you will create function Vin add Event Listener & then In remove, they both are not Same. This is riot the correct way ('(lick', bunction () §

To make remove Eventlistenu () Work

Successfully

Same target

Same type

Same Function.

Your can Chuk any websites

Your can Chuck any websites event listeners, inspect & then go to ent event listeners take beside Console take

Phases of an Event:
- Capturing phase

- At target phase

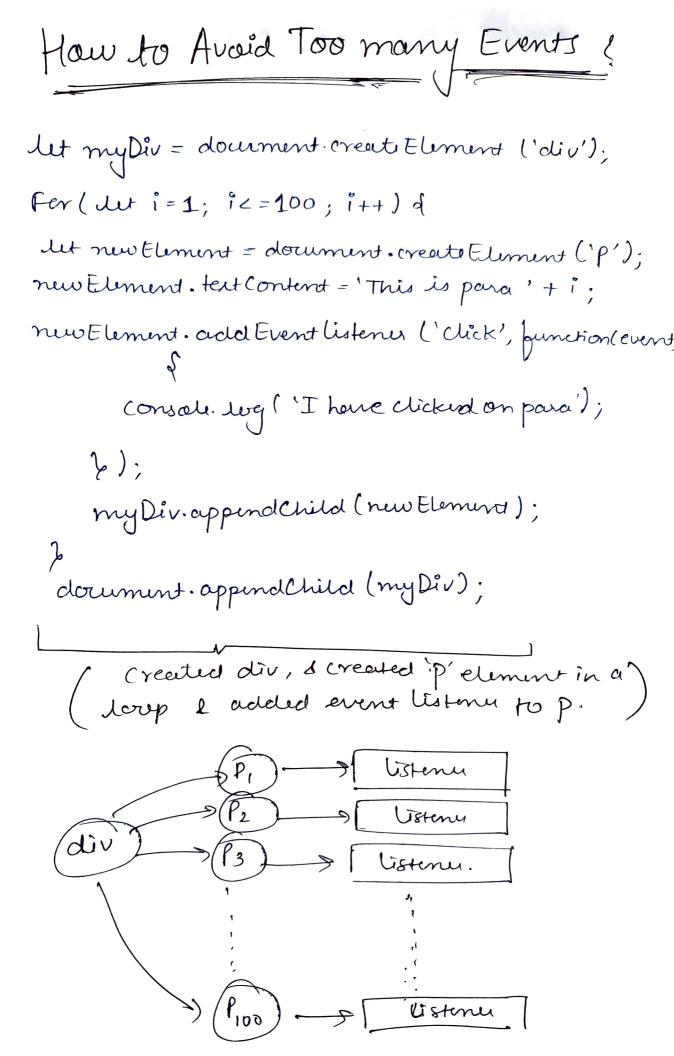
- Bubbling phase

Searching of the oliment returing where event is back from at target phase

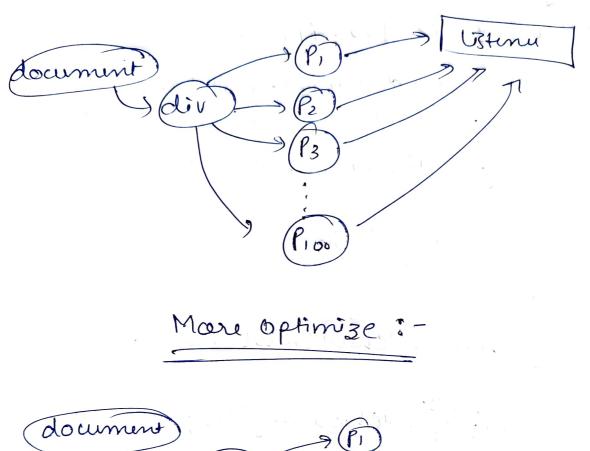
element

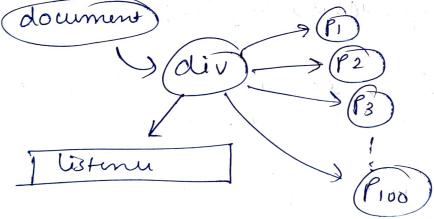
Syntax of add Eventlistener. (3 paremetu) add Eventlistener (type, listener, use Capture) event uenas Should happenafte By default Bubbling phase # The Event Object :event occurs, add Eventlistenu gets event object lass of information about event ent-query Selecter down Const content = ( # wrappur); content. add Event listener ('Click', function (event) console dog (event); lotru name also you will get all event information when clicken on element with wrapper id.

The Default Action:
To prevent défeult Action ue vse prevent prevent défault () method.
we can change the default working of any element
prevent Default ()
like!
anchor tag -> link apen
let links = document-querySelecter Ale ('a')
Maio to beten 3rd from all
let thirdlink = 'link [2].
third link. add Event listener ('click',
function (event) of
Event prevent Default ();
Event prevent Default (); console log ('maza aya');
the sample
This will change
défault Action of Ancher tag.
· · · · · · · · · · · · · · · · · · ·



This will take memory as Same work & lots of listeners to optimize.





But in this we will not be able
to individually access paragraph
individuality last. The whole
div is access.
Now PHASES WIELL HELP
HERE I

Event target property\_ 4) The target property returns the element Where the event occurred. Naw the Optimised Code: let my Div = document. (reat Flement ('div'); Function parastatus (event) q Console log l'Para't Event target text Content); my Div-add Eventlistener ('Click', parastatus); For ( let i=1; ic=100; i++) { let new Element = document. Create Element ('p'); huvElement + text Content = 'This is para' + i; my Div-append Child (new tlement). document. berdy append Child (my Div). Carticle id="wrappu"> ABCD (span) xyz (span) <(p)</p> we will 2/outide> event tripenu to what will happen? it will also work when (p) is clicked / Fer paraispan

Naw to get rid of this
use property - 3 node Name let element à document-query selecter ("Hurappi") element. add Event Cistery ('Click', Junction (event) of if (event-target-(node Name = = = 'SPAN') of Console. log 1 'Span clicked / + event tauget tectloment) <u>ز</u> ( مل Specific teg Why < script > at the bottom of bodys teg? if is will be in head .tag. Script will work before HITML downent is loaded How we will know HTML is loaded by Event -> DOM Content Loaded If you want to use in head, write donn Content Coaded event inside Script. but Best practice is betom bettom of <body> tag.

X \_\_\_\_