## DOM + Modern JS-3 #. [Performance] -> Measure Speed of Code. -> How to write efficient & performing code. ightarrow Event loop. \* performance now ():-In Java Script, performance · now method can be used to check the performance of your code You can check the execution time of your code using this method. Syntax:- [let t = performance. now (); ] → It does not take any parameter. -> It returns value of time in milliseconds. example: let t1 = performance. now (); for(lat i=1; ix=10; it+) let new Element = document. Coneare Element ('p'); new Element. text Content = 'This is Para '+i; document. body. appendChild (newElement); let to = performance. now (); Consale. log ("This took" + (t2-t1) +" miliseronds"); Output: This took 0.4000000 miliseconds

// Example-2 Optimising Code let t3 = performance nowo; Let mydiv = downent. (rease Element ('div'); far(let i=1; i<=10; i+) let element = downent. createstement ('p'); element. textContent = "This is Para "+i; my div. append Child (element); document. body. append Child (mydiv); det 14 = penformance. now (); Console log ("This took "+ (fy-t3) + "milliseconds"); This took 0.2000000 millisecondy # REFLOW :-Replow is the name of the Web browser process for I se-calculating the positions and geometries of elements in the document, for the purpose of re-rundwing part or all of the document. hylowing is very expensive. Rylow occurs when you: →insert, Jumove ar update an element in DOM. -> Move a DOM -> Jurize the window etc.

# REPAINT :-Repaint is merely the changing of pixels on the monitor. Repaint cours when some changes which only it skin styles, Such as Color and Vissbility. Repaint is faster as compared to Reylow. \* NOTE: Far Best Practice approach, There should be less use of Reylow and Repaint. Last 2 Codes have 10 Reglow and 10 Repaint, it can be any number for any time. So, we use the concept of Bowment Fragment # Document Fragment It is used as a <u>lightweight</u> veusion of document that Stores a segment of a document structure comprised of nodes just like a standard document. example:let fragment = document. create Document Fragment (); for (let i=1; ix=10; i++) { let new Element = document.create Element ('p'); new Element. fext Content = 'This is Para' +i; fragment.appendChild (new Element); downent. body. appenchild (fragment);







