Const get Data Ptho Paux - throttle Cide for 16 (getwo, 100g) Interview questions on debouncing and throtting pelsouncing - flipkart search Throtting -> Twitter scroll beg Throtten throttle, debause, throttle pollyfill, debource, pollyfill Refer to github Is Topicum Maley Javascript 52 - Epo (Asynchronou Js) Callback hall Case study: We are using a e-commerce website, we had some api which has create cut, proceed to payment, onder summary and update wallet fine, but they Should be executed in order (after completion of Callbacks are the functions which are called back after completion of Certain parent function Boh! Asynchronous Is can be done with call backs Good part: eg: var cart= ["shoes", "bag"]; api create order (cant, function () of api, proceedto Payment (function() f api ordersummary (tunction() of api. updatewallet (); Bad part / problematic part: a) Callback hell: Our code grows horizontally which is ymaintainable and unnealable. This situating is also known as pyramid of damy

b) Invension at control: As we have given our written code to some nandom function and entrusting it to call back the function, It can have some bugs (the parent by). there we are bosing control our code. Hence promises come into picture. * Promises are used to handle async operations Case Study: We have an e-commerce website, when we will be creating a cart and proceeds to payment. Soln: Use promise to avoid call back hell and inv of contry a) In Callback hell, our function is passed to the parent to · api. Create Order (cart, function (orderId)of too ceed To Payment (ordered) What can happen? createorder for may call cloth twile/never cell (on we are definitely unsure But what we sure is we want to call only once, therefore we will attach it to a promise b) Promise makes the for attached to It and calls when only the promise is resolved. Const promise = create Order (cont) // returns Promise promise is basically an empty object initially but filled with data after nesdving promise promise. then (function (ordertel) of proceed To Payment (ordertel)

Inderstanding promise object in browser 10: Use fetch to get github date for a profile. Fetch returns the promise. Const GITHUB_API = " api.github-com/pabhinav1999" 60 const user from 1 = fetch (GITHUB-APZ); Console · log (user from 1); As soon as you observe the userBorns in chrome, it displays Promise sepending > 9; but it you expand the objet it may say fulfilled. (This is one observation) Promise of Prototype: promise Stati: fulfilled prom Result: Response you can extract data from nes porse through jons Is guarantees that promise can execute only once Fromise has 3 states: pending, telfilled and rejected and they are immutable object. of Promise obj is a placeholder for a certain period of time until we receive data from a asynchronous - A Container for a future value -> Imp: A promise is an object nepresenting the eventual completion or failure of an asynchronous operation 1913 Fromise Chaining Promise chaining helps in avoiding pyramid of Down.

Eg. for promise chaining create Order (cart, function (order Id) of proceed payment (payment TAFO, for order Summary (Eg. for Promise Chaining Create Order (cart, function (order Id) (Proceed Payment (orderId, function (payment Info) + order Summary (payment Info, Mep date Wallet) of updatewallet(); I Converting to promise charry Create Order (cart). then (function (order Id) if return proceed Payment (order Id).
3). then (order Summary (payment Info) of. return OrdeiSummany (payment Info) 9,). then (function () of return update Wallet Balance (); Make sure to greturn, other wise will be losing data.

Creating a Bromise and Error Handling (While chaining promise from one chain to another we can return data or promise Advanced Promise Chaining / Advanced Error Handling whenever there is a big promise chain, the chain at the last which has catch handles any chairs error * what to do it we want to proceed further if any of the step fails? A: Then catch should be placed below then handles which will that error and any then below catch will process further. Developer responsibility to see where your catch fits Promise APIS.