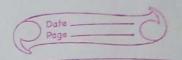
Assignment -7 Pi what is Mecroservice? It is an architectural Style used in Software Sundapun where a Complex explication is bushen town into Smaller, Endependent Semicy, Each Semice is surjourible for a Specific business capability and operated as a Separate onthy Communicating with other Semices through well-tefined API's Capplication Recognizeming Perturface of microsounces. The key perinciples @ Single Repousiblity. 1 December dize (4) API-Based Communication 3 Independence 6 Scolability. (5) Rejeltonce e/2 whot is Mouolish Archi tecture? Monototh architecture is a teatitional logisson design sæfsperach where an entire application is built as a Single. Self-Contained unit. In a Monolith auchitection. all components and frem trondity of an application are tightly integerated and defloyed together. The term monolith' sufres to the fact that the Applications is trusted as a Single. en druissell ontity.

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O4 Why do we mud a use Effect Hook?

Hu cre Effect hooks tooky Patroo argument a Callback function and Dependency arrivary the Component has according and the Dom has been appropriated. It can perform asynchronous.

The Dependency awaray is used to Specify
Depandency that the offect depends on
If any of the Dependences Change
between surfaces the offect well be
exampled. Exampled, If the Dependency
aronay & Ducktef, the Effect will sur,
after Euroy sunfor.

The Uneffect Hook is useful in Sculusion whom you are Entered with Entered.

Data Sowices on perform operations.

that count be done during the sendering phone of the Compount. It surprisely.

Lote Ougonization and maintain fility.

if s what a so found chaning?

It is a feature interoduced in JS. that down you. to access peroperties or Call muthot on an object without emploisty chuling if immediate peroperties. exist. It perouides a loncin coay to hondle



lasse when you rue to access neshet proportion on lall undhots on an object may be null. The optional chalming operator is supresented by a chestion march (kg) placed before the (0). Const Phone number = person. Contact ?. Thone Number; DE what is the Difference Detaum JS Empery 900 and. JS Statement In JougSouph Enfrey von and Statement au hoo
fren formut JS Expression - Its a piece of code that perofuer a value It can be a combination of secret literale, Josephables, operators, and function invocation that was evaluated to protue. a regult. Expression Can be a simple of a fingle single value ou as complex as a nested Combination of multiple enfression 5+3 JS Statement - A Statement is a 11 Hello" + name. Complete cenit of Gode that function Calle. ploeforms on action on a L'expersion, Statement don't Executed for thise Sile Effect, which



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Mote de lock g, what & conditional Rendering, Emploin weith a Code It & in JS and ferame coorle like black. refuse to the ability to Conditional display on hite.
Contain points of the Cher interface based on Specifict. Condition. It allows you to recenter different Content on Component based on the Curount State or peops of the applications. Example import heart ferou react; Capoet Junction APP () ? Const is logged In = trem; Retween of 18 logged In 2 ( < h1) Welcome, User 1 < h1>): ( Kbutton? Login Kibutton > 1)



OF What is CORS?

CORS stands for CROSS Origin Resource Shooling.

It is a Security mechanism suplemented in uses
borowser. that conterols access to sees owns.

Usuch a API or web fort I hosfed on Jifferent domain. CORS prement on allows web application to make Gross - Design HTTP suggest, which are suggest Sent Jerom Domain to a different domain.

By Defautte; web berowser en force the Same.

- Origin Polscy, which sextreich, bear - Origin seegeest. The Same-Origin polscy ensures that Java Swipt code seeming on a web page can only access serowices (Such data Der APS) that Oraginate forom the Same domain and protocol as the page itself, this policy is in place to premit amongstoning occas to lewithous data der actions.

CORS provide of Way to relax the Same-Origin.
Policy felectively, when a web application make
Cross - Design HTTP Deegreet the becourser. Prochede
an aditional HTTP header Callet Origin that
Specific Somain ferous which the request

If Securic seespoer allowed the Coeps- Oragen.

Degres & loy Encluding the appear private CORS

headers); the Berowser perceed with the actual

Creas- Origin dequest. Outhourse, the Berowser

block the sequest, and Jana Screept on the web

page lamost accept the seespoure data, What is asgare I await function?. Augne and await featwer over Enterologed in JS to Simplify worth asynchronous Code.

particularly with premises. They provide a more readable and lynchronous like.

Syntax for handling adynchronous Operation

function Async The asgine keywork is used to defin. is declaret, as asynce, It automatically vertically Or brounde, within an algre frenchon. You.
Our up the await hey covered to pay.
The Execution out wait for the sexpoun. Enference.

Avait -1. The 'await' key coord to unt within an 'async' function to paux the Execution and wait for a promise to sevolur. It can only be usef inside on 'ayac' function. Pro list is the use of 'Const Json = await data json();'

En get Retainant ()':

The line in the get betaurant () function is used.

to Adjunctionally power the semponer data of Json.

Let's for

Jurpose of this line is to Convert the semponer.

Jata, which is typically in the form of a,

Json string, into a JavaScript. Object that

Can be catily accessed and manipulated.

in the lode, By parying the semponer body of.

Json, the data become stremburk out can be.

Let for the Subsequent Cole logic.