My personalised react note

I learn that the if(loop) can be optimise further more-

If there is only if and no else then && is better

1. The &&

Without using the if loop we can directly write

<button onClick={()=> counter<20 && setcounter(counter+1)}>Add</button>

Here see the second condition will only run if the first one is statisfying

1. The conditional

If there is if else, we can go with condition? true: false

**React virualDOM**

The virual dom is created using the ReactDOM.createRoot

Especially the createRoot behind the scene it create a Dom like structure. It then compare the main dom and its dom and update only the thing that are updated in the UI

But what the browser do is it removes the whole dom and repaint the dom which we see it in the from of browser reload

Virtual DOM is updated with the alogo of **react fiber**

**Reconciliation** – is a differentiation algorithm uses to diff one tree with another to determine which parts need to be changed.Reconciliation is the algorithm behind what is popularly understood as the "virtual DOM."

REACT PROPS PROBLEM THAT I SAW AND FIX

**OPTIONAL CHAINING**

In react when we try to pass a props of object

<Card  channel="tenzdelek"/>

 <Card someobj={myobj} channel="monalm"/>

Here one card is not passing the object so in the app.jsx it will throw error

To handle that we have **?.** which makes it optional to use

<h1 >{someobj?.name || "default header using obj"}</h1>

Now it will work properly

Remember that normal strings and all doesn’t need it