Context API in React:

App.js

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1. Passing title inside header component
2. Passing users inside Employees component

Header.js

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Employees.js

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Here created another compo called Employee to display the values

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Now the above example we will do it with context, instead of sending the items as props

Goto App.js and create context

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Now we will provide values to userContext which will pass the values to its children and grandchildren under it

Goto return()in App.js

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And now userContext will act as Provider and inside it everything will act as consumers, consuming the data that is passed by provider

So remove the already passed props and goto Header.js and write code for getting the values from userContext provider

1. Import userContext from app.js and useContext from react
2. Remove title passed as props from Header and accept title from useContext(userContext)

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Now repeat the same in Employees.js

Now run and check the output

Now we will simplify the process, add a new folder called Context.js and inside it create a file UseContext.js

Now cut the below 2 lines from App.js and paste it here

Import {createContext} from “react”

export const userContext=createContext(null);

Now goto App.js and type the below line

Import {userContext} from “./Context/UserContext”

Now we will simplify the code within return of App.js

So go to Context.js and type

export const UserContextProvider=({children}) =>{

return(

<userContext.Provider>

{children}

</userContext.Provider>

)

}

Now goto App.js and add in imports and also remove user data and paste it in context.js

Import {userContext, UserContextProvider } from “./Context/UserContext”

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Also remove userContext from App.js in imports line above, also remove const users from app.js and add it in context.js

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Also instead of adding usecontext in every file just add it here and remove from other files

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And add A close up of a computer screen

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In all refereed files

And also make change in line no:4

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Also make change in employees.js

Count.jsA computer screen shot of a computer code

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Now see the output

We will do another example of counting the users, create Count.js

Which will count no.of users

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Now import this component in App.js

Now goto context,js and create a variable called count and pass it to children

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In count.js

A computer screen shot of a program code

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See the output

Final app.js looks like this

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