JS : interpreter based ==> browsers

DOM : Document object modeling

VDOM
virtual
DOM

it is a replica of ur actual dom.

we do have a predefined object called document : which is refering the DOM tree.

HTML

HEAD

BODY

tag

when u will start working with react ?
react is completely based on VDOM .
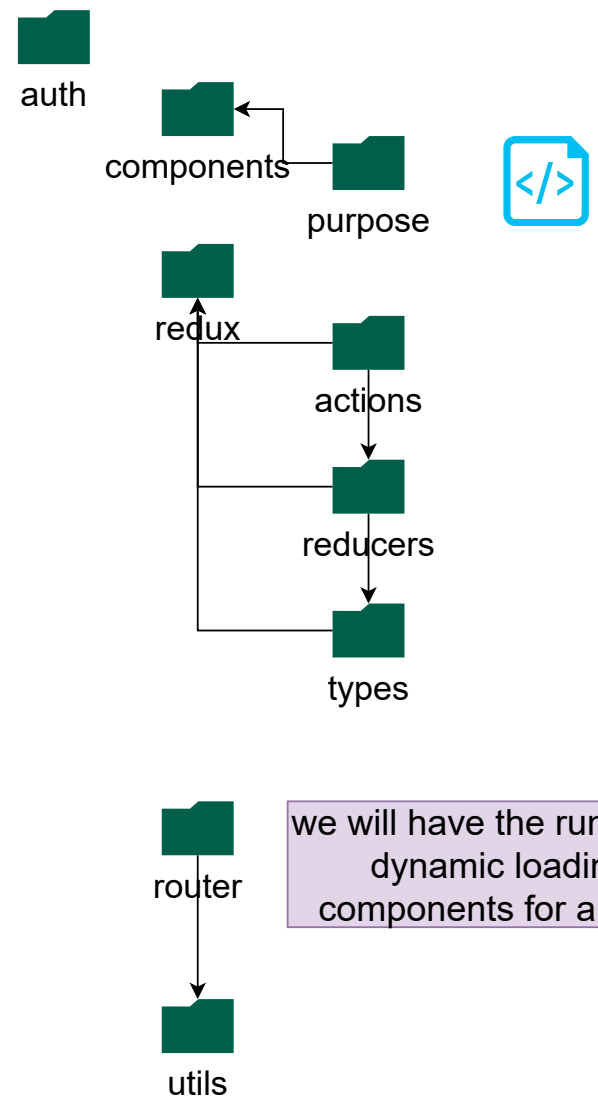
react is an open source lib.
not a framework.

tag

Component: small resuable piece of UI . in react ===>
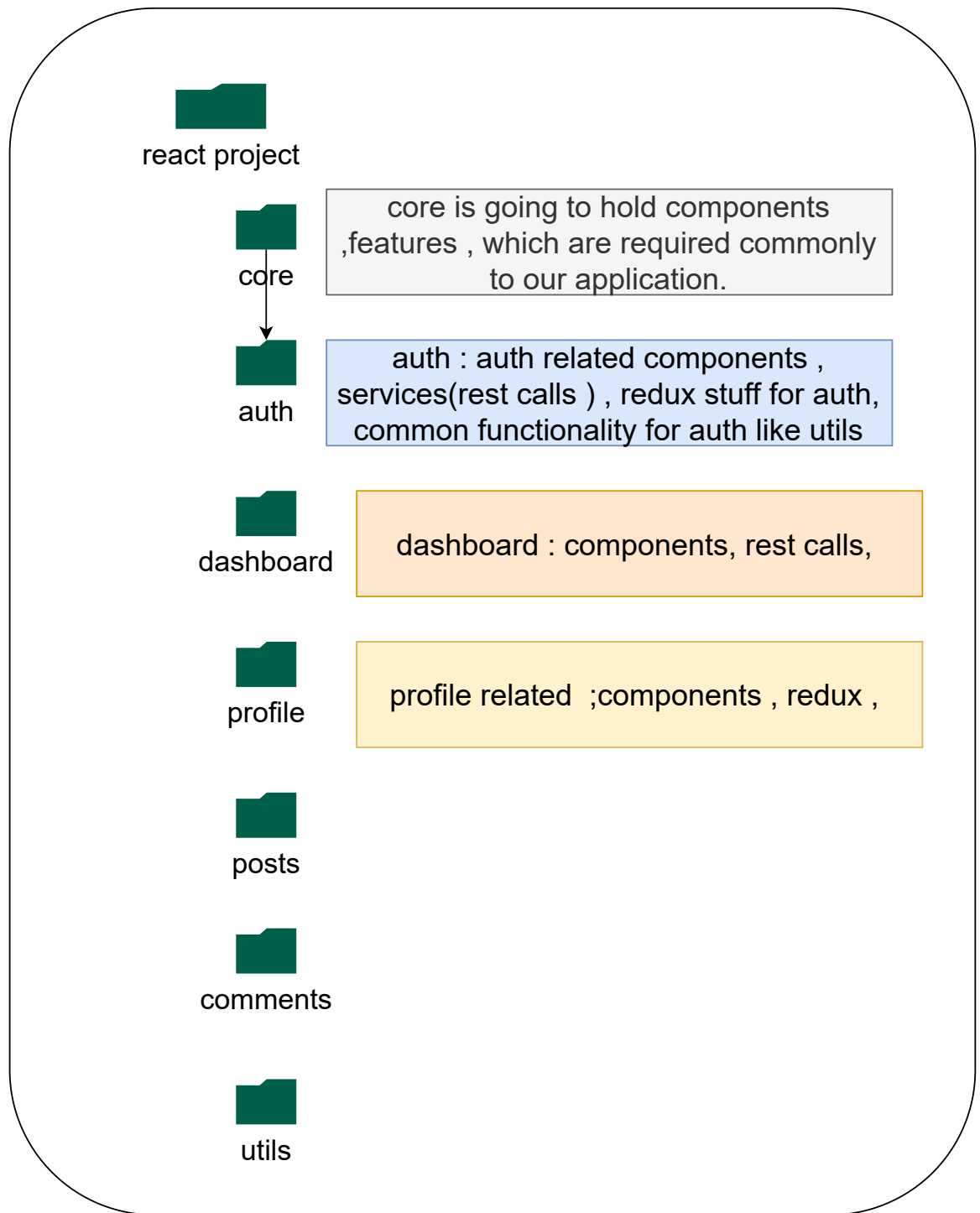we will use the js based functions.

There are 2 types of componennts :
1. smart component : is a component which is capable
of taking the decision / performing the task.
2. dumb component.: which is responsible for accepting
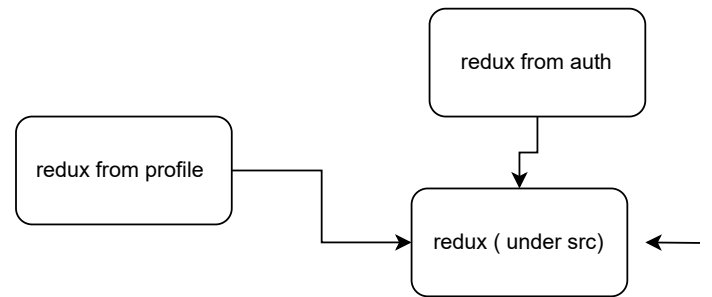/ returning / sharing the data to UI.

auth

components

purpose

</>

redux

actions

reducers

types

router

utils

📁
react project

📁
core

core is going to hold components ,features , which are required commonly to our application.

📁
auth

auth : auth related components , services(rest calls) , redux stuff for auth, common functionality for auth like utils

📁
dashboard

dashboard : components, rest calls,

📁
profile

profile related ;components , redux ,

📁
posts

📁
comments

📁
utils

n't have ot . we will odule is a logical ur project nience .

me loading / g for the h module .

redux from auth

redux from profile

redux (under src)

HomePage

react-router
why. DOM?

Router : we need a lib
called react-router-dom

react-router-dom is the
official routing lib for
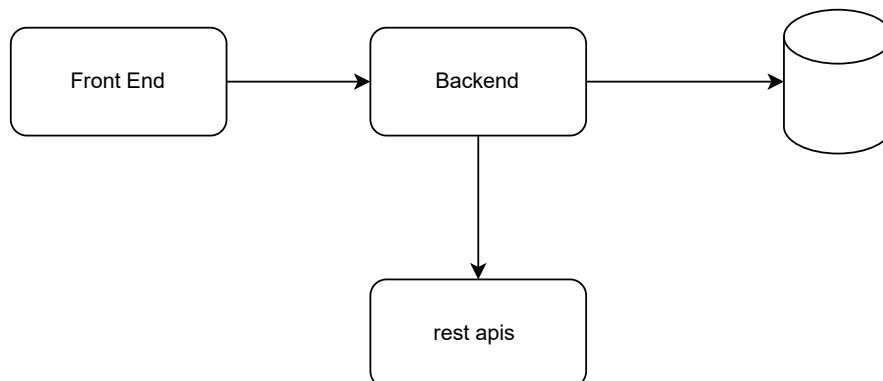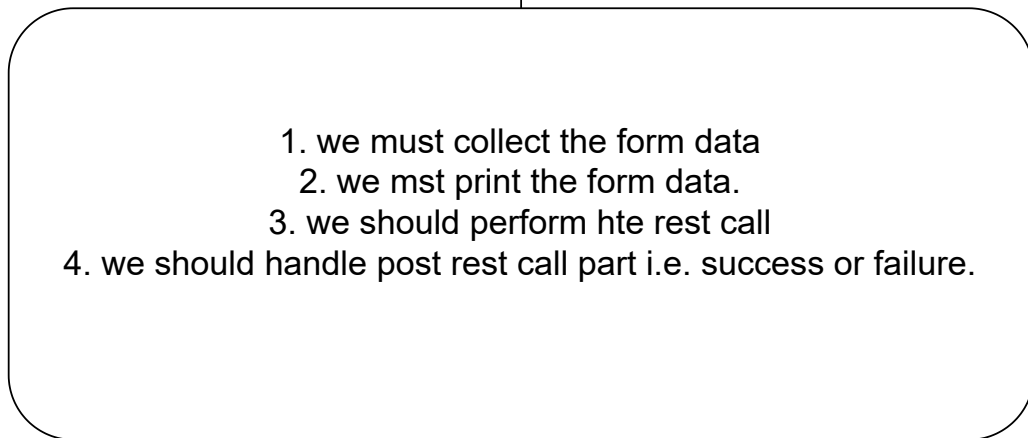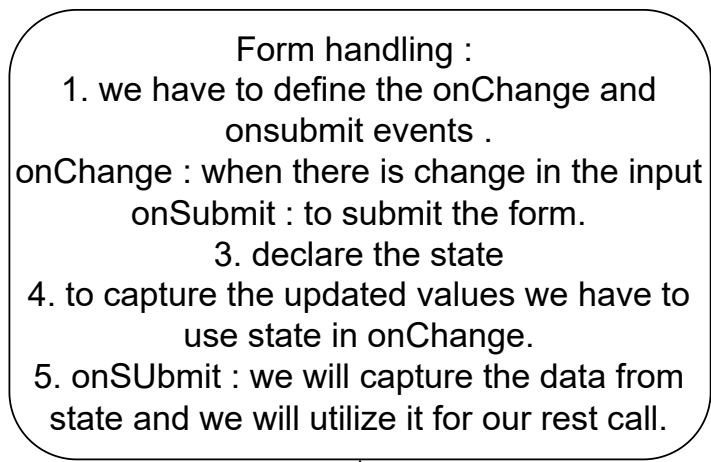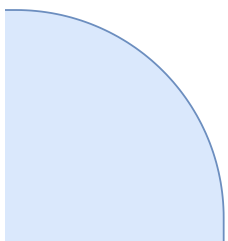react app that runs in
the browser(DOM)

1. SPA
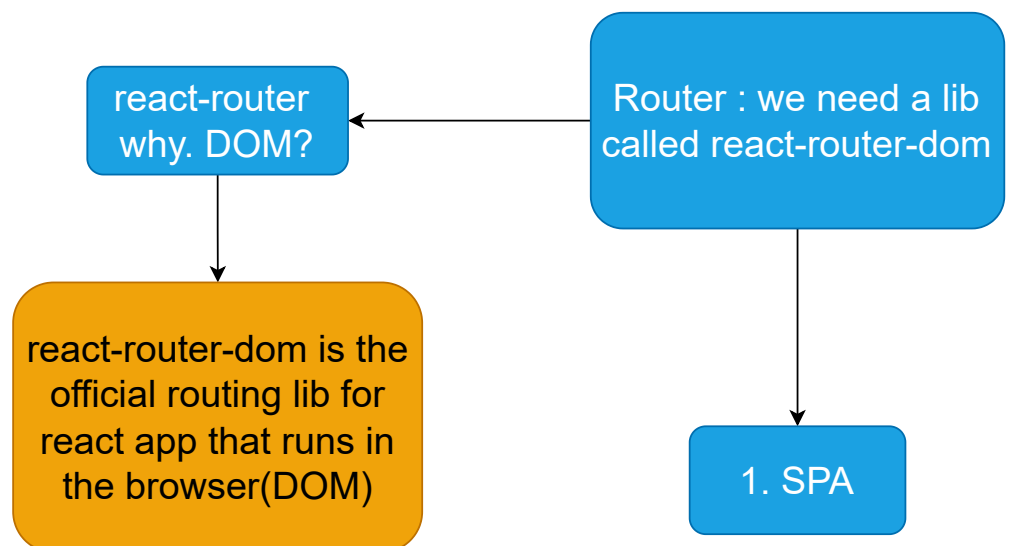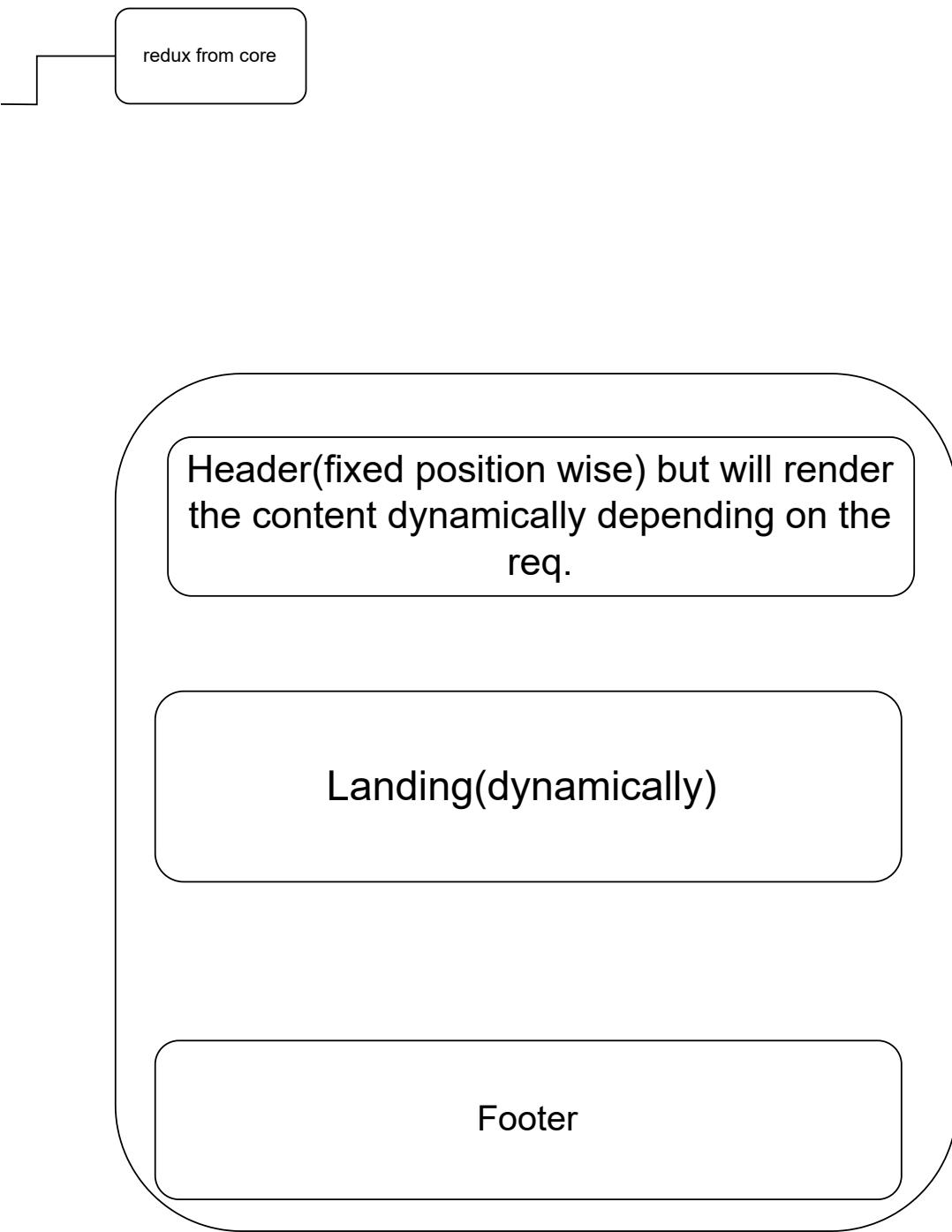
redux from core

Header(fixed position wise) but will render the content dynamically depending on the req.

Landing(dynamically)

Footer

Form handling :
1. we have to define the onChange and onsubmit events .
onChange : when there is change in the input
onSubmit : to submit the form.
3. declare the state
4. to capture the updated values we have to use state in onChange.
5. onSUbmit : we will capture the data from state and we will utilize it for our rest call.

1. we must collect the form data
2. we mst print the form data.
3. we should perform hte rest call
4. we should handle post rest call part i.e. success or failure.

Front End → Backend → (database)

Backend → rest apis

Email address

name@example.com

Example select

1

Example multiple select

1
2
3
4

Example textarea

do we need some one to hold the data (which is accepted from the form.

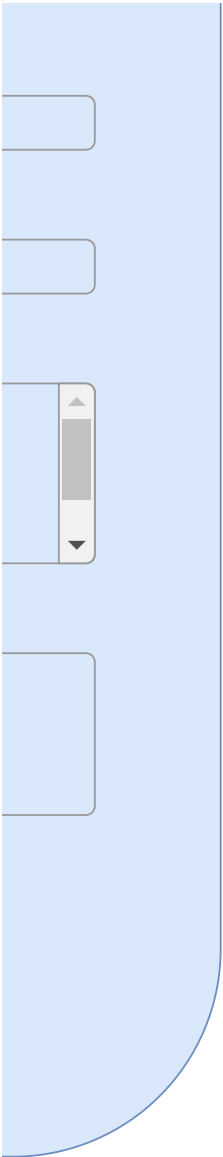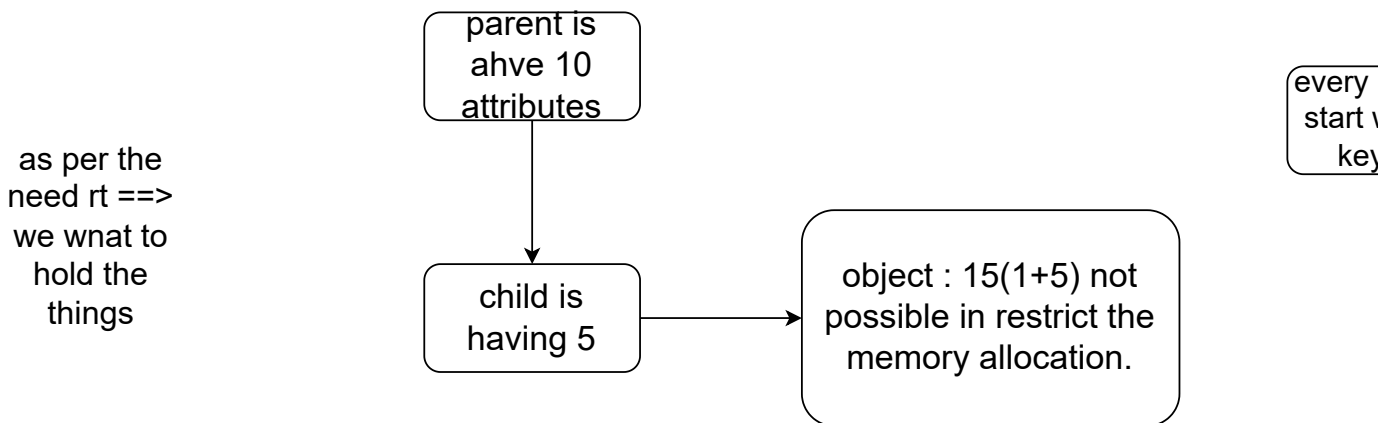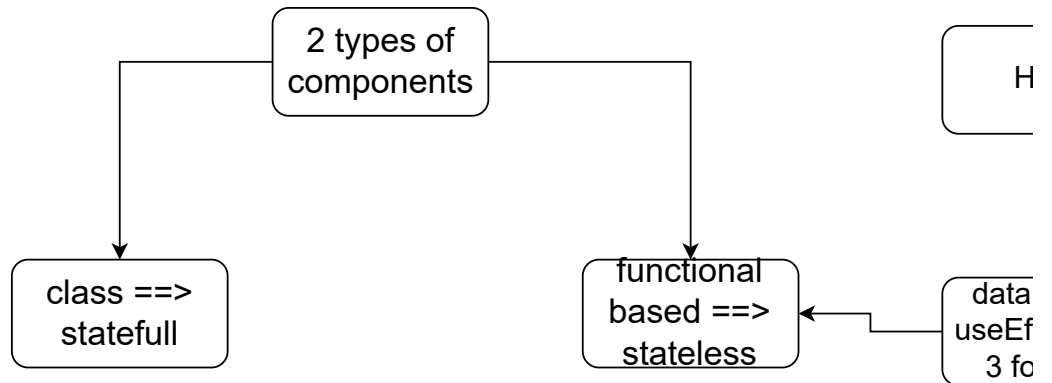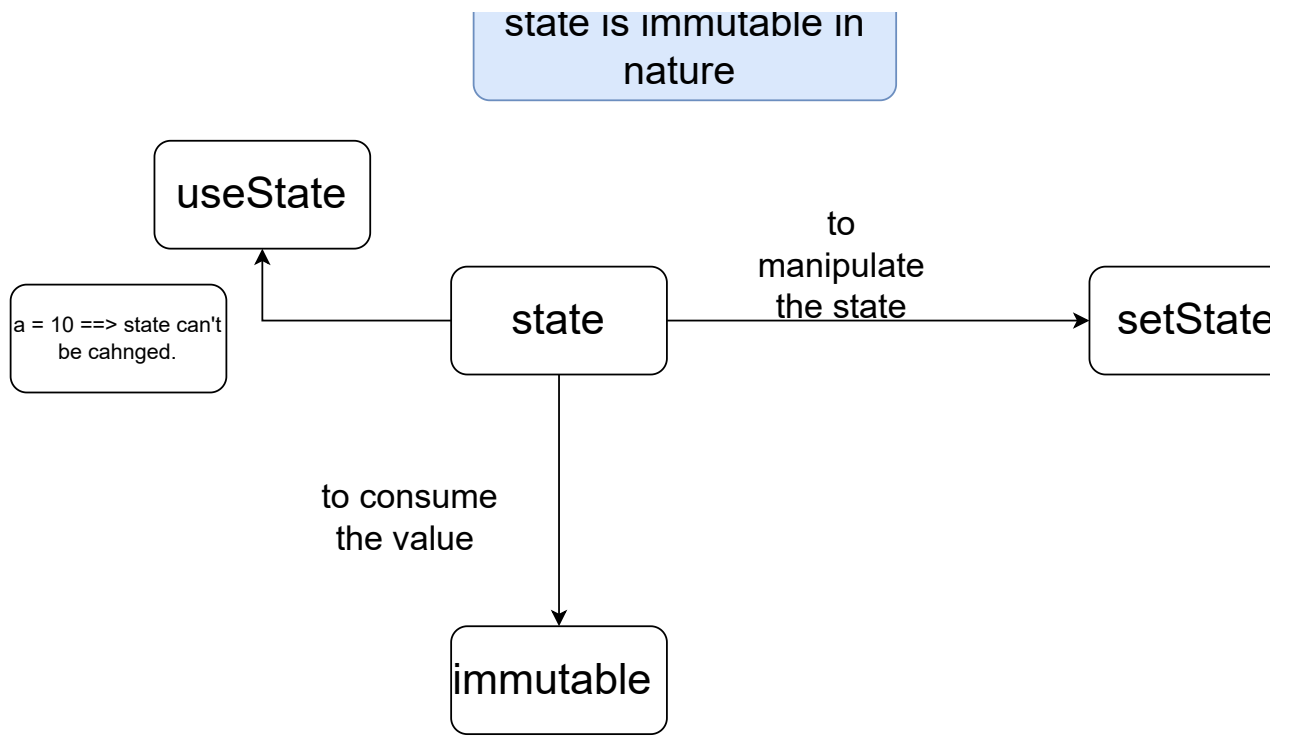state : its an object that stores data about a component.

when u state changes , react re render the data automatically. this state its not a permant one its in-memory one.

form

state is immutable in nature

useState

a = 10 ==> state can't be cahnged.

state

to manipulate the state

setState

to consume the value

immutable

2 types of components

H

class ==> statefull

functional based ==> stateless

data useEf 3 fo

parent is ahve 10 attributes

every start key

as per the need rt ==> we wnat to hold the things

child is having 5

object : 15(1+5) not possible in restrict the memory allocation.

э

Hook

(state)
ffect with
ormats

hook will
with use
yword