# React

### - ) Tanascript

defer ædgeibun in script for is resed to grender the 32 file only after the body es eendend.

type = "module" tells that the 35 file Ps a module and pn sceipt tap can be used for imports & exports.

\* In read projects, 35 files overit baked directly to 1+TML pages

Infact, Real roses build process an the backend by Et USES "quaet-scripts"

2 relinary Lisson en 30 files can't be prepriesed directly Ls ande es optimise after build proces.

& Import & Export

-> Only one 'export default' en a je module. La for variables, ornet identifie & assenment. ex: export défault « vijouy"; ex: export default fromption Comp ()d L) por guretion & classel

3

-) d & her normally exported items ( Importing discerly for export default emport 2 my namely from 'felloss'

import lomp. from 'filloss'

omitted en becaux of the build prous available · X Mull 18 Undefined Ly defeuelt when explicitly no rable our no calle ausigned assigned by developer (9elset value) Anay memoels · [find Index (Cikm) => condition) map () - resed to hangform array iii) ] film () -, vsed to file elemenents from an away viny a = condition greduce () - resid 60 reduce an away d elements puto a single entity acecumulall, cuerent is points to cuerent element updated result. after each pruation.

as all function ()
Es gretiene a value.

```
- Deskucking en Muaus & Objects.
    consi data = [1,2];
   coul & = data [0]
                         Sinon will.
   court y = deut [i]
                Il Deserructive? 79
    const [7, y] = [1,2];
    1/2 = 1
    11 4= 2
   CONT USU = L
         nami: "Max",
         asi: 34,
      \ \ ,
    const name - vtu, name;
    Coner age = usel. ays;
                                 Order goest, wenter
                  11 Dessenduing
                                  Lane, are I or lose, none!
    const d'nami, aje j = 2 In object des kuchuin,
used name; "Max"
                            the names should
destructions ass.
                            be same to
                              the belys of
                                    Objects.
           used to clean Object
                                 In all any
                           we can ox
     enstead use alrastry
          with colon (:) different names
 con+ 2 name; user Nome, age) = 2 unice deskuehuing
          nam; "Nex",
                         > allastry
          asl 3 34
```

```
_, It can be und or fundion
                                    400
   function chow Order (Order) L
        local-set Item ('9d', order. 1d);
         Local. Cet I lum ( * curency , order currency);
    (function should (Lid, curry )) {
          (ocal stat Etem ( Pd', id);
         (Deal, set Etem ('currency', currency);
  MOH! Freen after destruction, function accepts
        one pardonelle only, which is an object,
        of the which then Ps destaucted antimally.
Spread operator (...)
 It is used on aways or objects to pull
   out the ralus as comma reparated values
   (01) key-value pairs as comme-separealed
   value ( Pr. can of objects), which can be
  used in another array or object.
          nam: 'pasa'x",
 Ex: Use = d
          au: 23
            admenstatu 3 " towe",
       Admin = d
```

00001091

# Passing functions as arguments

-1 Do not parfunctions with parantheris as alguments.

Lis If you do so, then function (9nner) will execuse as soon at the link of code occurs posted of executing when the condition is met.

\* We don't need DOM operations miough JS COZ React Loundles that!

Pounitie Number, boolean, Miny direct value is stoud in the variable

Reference Object, Arlan --L rolue 35 Address of the object 12 stored on 1 the rairable.

.. If I do sty leke this, const all = [1,2] our. push [3) I'm Bust changin the weay / pushing an element without achially charging me address.

where contain

#### Realt win was

# Events & Event handling on great

L) We don't need to write big add frenktisterne coda en schaet.

Li we gust need to write event handing theough perope for the element we want to handle events. Listhue perope don't handle/paus data, but they handle events by taking event handle function. as value. def clechtanden L//y

Ex: <bullet on clack = of check Handley > </bullet) I I stark with 'on' and then the event type all predefined 14THL elements have YIS should fresh

be the function

validle without

palantheses.

(OX)

defene the function

Can even

there Isself.

their susperior event hardlen props

Intensing cour of How React Works

-> I6 We worna update me value of take on me prowser wary a button clert.

we can do that rising even handling on bullon, but the value doesn't gol updated on brown, much it gets opdated on worsole.

Use State () come en rescue por this matter whech buscally return a variable and a function to speake that vareable,

\* UseState() can only be defined Priede

a function component & not outside.

b) It may not be defined inside

another function even though that

another function is present in the

function component.

\* Every Ame we update me usestate(1 varioble

viring me function of usestate(),

Ly the component on which the usestate()

is defened will be neloaded (updated

or grendered on.

\* Hence these solves me problem of updating the

problem of updating the poisses again.

VI when an event only mat paincular

component

is ne-nendered

occurred, we can just occurred on the state is part of.

of the component on which the state is part of.

orn "Use". All great hooks should be called inside component punchion only.

Ex: const [telle, settetle] = vsettle (proper lette);

Lightle settetle set

=> State is associated to pur component instance!

basis.

If there is a state defined for a component and there are eventually remarks components created. Each instance of that component has individual/ceparate state.

Mole: There can be multiple states for a component