```
21. Junetions:
   some predefined
                     functions:
    · var a push );
   · a . pop();
   · a.shift();
   · a. unshift();
   · console. lugla. j'oin (" - "));
   · comple log (a index of (" "));
   · a. sort();
   · a. Hererse ();
  - In alcone we pass arguments.
 Passing function as argument in predefined functions:
 var age = ["h1", "h2", "h3", "h5", "h6"];
 vor f = age . find (my func);
  function mytune (value, index, avoy) {
         Meturn index >1;
                              ( CEnsele log (array 2);
 console. log ( $);
 Opish3 y = 12 manual woundered !!
Objects Methods: Esterol 2 years 3 = 5 years send (3)
var Oly = { 65: "A" , 66: "B", 67: "("168: "D"];
console log (obj);
console . log (Object . Keys (Obj)); // ("65", "66", "67", 66")
console log (Object values Coly)); //["A", "B"; "c", "D"]
console log (Object entries Lolej)); // shows in dimension
to forest feeling to eleveration control testing to
         i griest demon or sell " s griest ityrist. Ist
                          a is o'll a statement the ca a
         " bus " + pulmersquist " end" ) god . wowe
    it template of themplate of themplate flittered );
    work or east! . Lerwon " get ") gal . James
```

```
Olp: Start This is normal string End
34. ESG DESTRUCTURING.
· let à
allows to declare a narrable with block scape
 var x=10; ds 10.
 let x=2 y mus with ment langer
 2 // Here x the. grandfall my laster was to
 11 Here & to to partial last see horasses
-Using comt in raper than using var, lecture a function
 expression as always a constant value.
· Default value
let person = {
      foutrane: "Nikhol",
      lastrane: "Agrawal",
      age: 20,
  let {age, foustnane, lastname, middlename=" "}=person;
  comole log (age);
  console. log ( firestrane );
  console log (lestname).
  console log (middleranie),
  Ofp: 20
       Nikhel
      Agrawal
 · Arrow function:
                            et add = function (x1y) f
ML.
function odd ( e, y)
                                    return cty;
                            console. dog (add (10,20))
  return x+y'
```

35. ESG-Map, Litter, Promise: · Maps: I map hold key value pain where the key, can be any datatype. - A map commences the original inection order of A map has a property that repairents the right map. Mag Methods: new Map () - creates a new Map object set () - sets the value for a key in a kap get () - gets the value for a key on a Map has() - Heturns town of a key exists in a Map En let Marks = [1,2,3]; AND JUNE console log (ranks, map (linder, e) => { return (e) }) a -> returns each element b -> Hetwens lack under promise with easy system \* Map returns a new armay an perfor whereas for Each doesnot. opolations a Difference lecturen may and filter: - Under map, of a condition does not ratify, the return statement should show undefined where a in filter it will skep. For enauple: let ranks = [1,2,3,4,5,6]; let new mapour = ranks. map (1e, i'nden) => { Tf (e1.2==0)

return o

let new filterarm = ranks. filter (le, orden) = ; it(e1.2==0) return e

0/P: 137 [2,4,6]

Promise keyword: Producing code is code that can take some time. Consuming code i's code that must wait for the result.

A promise favoring object is one that links producing code and consuming code.

my Promise. State pending fulfilled Rejected

my Acomore. Result undefined a result value an even object

- Any function inside a object is a method. Asyne-await:

Le Condenson Jan

It is promise with easy syntam. with the primary of writing

map, it a condition of small latting is

gist the state

(10 1311/6, 2, 1) = 1 + 151 b) new mapping - marks , may (100 , sinder ) as I

3 west set

variable object let attend convert = new Promise & function (resolve, et Tomeout () ) ) {

tomake eventive

tomake function

to a synchronous touk resolve ("BOB ATTENDED"); Porometric function else { reject ("BOB FAILED"); y, 2000 1. 7); console · 10g (attend convert) - await a combination of both then and latch Now, attend concert. then (data) -> console.data (data). outch (evror) - console log (ever) is equivalent to asyne function afunce) & let result = await attend concert; console. 100, (result) return result; Irry and catch for ever handway: asyne function asytune() { try f Let result = await attendionent; console. log ( Hesult) catch(e) f console log(e) asygune()

import React from 'react'; punction My component (props) import Reaction from return (dov) Hele , {props. name } Chev ", (man-dom 1) bunction App () of return ( Kdivy React Dom . render (App 1> ) downers. KMy Component names get Element By It ( "root & ") "John hy Kldors PROPS AND STATE: - used to manage data within a component Props (pass data (parent -) child) reado-only, cannot be modificed by a child component - Enample Man spender its 12 milion to be being to State 1: 123/11 of ENVALORED TO 1018 10 3 MAY - 20 COL - used to Marage data within a component that can change over time. class My Component extends React. Component Constructor (props) f super(props); this. state = { wunt: 0 }; inviewent wuntly this . set State ( { count : this . state . count +1 }) !; render ( ) f return () { Kdiry map at privat position but beinger < count : 2 this. state. count } </p> < button onclure = f (1) => this increment count (1); > Invenent(1 button) Trouseuct of musty Mary Sunbaland I sale & lockers, great & freewhore prouse f Fully missing React DOM. render (< my component 1), document get Elever Id ( root)) ACCORDED TO A PROPERTY OF A

A RUSSIAN POPULAR COURSE

LUMITER TOURS AND THE THE

Hooke; allow us to use state and other Real frame in punctional components.

Previously - apry used in class components

- · we State ():-- allows add state fun long. - takes protial state value on an argument and returns on state value and a function to update the state.
- · Use Content () - content object as an 1 argument and returns current value of that

content.

suscepted )

- add side effect ( bet date on uplating poin ) to tun-comp.
- argument + function - called after the component has rendered.
- · Use Reducer ()
- -Hook that as used for State management
- attendame to usestate
- uschedurer

Redun: State management library for Javas culpt applications

powerful and flexible way to manage state in Result application making it easier to manage complete data flows and ensuring that your UI stays in sync with the underlying data.

Provides a way to pass data or state through the component tree without having to pass props down manually through each rested component.

weledner () reduce in Javascript charrey reducer (reducer, on Otial Value)

(11) single Value = reducir (accumulator, 111) new state = reducer

(Pii) reduce method returns a single value

weleduer in Real (i) welldur (reducer) initial state)

( envientstate, oution)

(PIP) We Reducer returns a pair of values. [ newstate, despatch]