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* Arrow Functions Basics:
  + - Use of map function:
    - There are a 3 ways to use a arrow functions.
      * 1.single Argument single statement:
        + Ex:

year = [2005,2006,2007,2008];

//here el means a element as a argument.

age1 = year.map(el => 2020 - el);

console.log(age1);

* + - * 2.multiple argument single statement:
        + Ex:

year = [2005,2006,2007,2008];

//here el means a element as a argument.

age2 = year.map((el,index) => `Element at index ${index+1} : age is ${2020 - el}`);

console.log(age2);

* + - * 3.multiple argument multiple statement:
        + Ex:

Year = [2005,2006,2007,2008];

//here el means a element as a argument.

age3 = year.map((el,index) => {

const thisyear = new Date().getFullYear();

return `Element at index ${index+1} : age is ${thisyear - el}`;

});

console.log(age3);

* Arrow Functions Lexical 'this' Keyword:
  + - * Scope of this in inner function.
        + Ex:

//this keyword

function Person(name){

this.name = name;

}

//now we creating a prototype

Person.prototype.myFriends = function(friends)

{

//if we don't refer this in to the self then it consider a this as a window object

var self = this;

var frndarr = friends.map(function(el){

return self.name + ' is friends with '+el;

});

console.log(frndarr);

}

var friends = ['harsh','mohil','bunny','cr'];

new Person('jay').myFriends(friends);

* Destructuring:
  + - * In Destructuring we destruct the data structure.
      * Ex:

//simple vatiable

const [a,b] = [11,12]

console.log(a); //11

console.log(b); //12

//now with object..

const info = {

fname : 'jay',

lname : 'piparava'

};

//here we must put a variable name same as a key name

const {fname,lname} = info;

console.log(fname);

console.log(lname);

//if we donot want a same name as a key name then we can use this...

const {fname : fnm,lname : lnm} = info;

console.log(fnm);

console.log(lnm);

//with function

function calcAge(year){

const age = new Date().getFullYear() - year;

return [age,65 - age];

}

const [age,rage] = calcAge(1999);

console.log(age);

console.log(rage);

* Arrays in ES6 ES2015:
  + - * New for loop
        + Syntax:

For(var\_name of object)

//code

* + - * + Ex:

//for each loop

var name = ['jay','hemal','mahir','janvi','jyoti',''];

var nm;

for (nm of name)

{

console.log(nm);

}

* + - * + Functions of string:

Objname.indexOf(‘string’) – return a index of that string.