Type module runs on live server

Constructors was used in ES5, Now in ES6 classes are used

Import & export is called modular (ES6 concept)

Class # 01 1-jan-24

Advance JS

Let, const are block scope variable

**Hoisting**: concept of getting items before initialization

Array **De-structuring**: concept is to save values against a variable name

{ var [friuit1,fruit2] = [“apple”, “lemon”]}

Object **De-structuring**: here we get object key out and treat them as variables

{ var obj = {

Firstname: “sarim”,

Lastname : “baig” }

Var {firstname, lastname} = obj

**Spread-Operators OR 3 dot: {**

To copy an array in other array, a= [1, 2, 3], b = [4, 5, 6],

var c = […a, …b] }

obj = { firstname : “sarim” }

obj2 = { lastname : “baig” ,

…obj,}

**Arrow-Function:**

Const add = () => {}

Const add = num1 => {}: if one parameter is coming then no need to write parenthesis

Const foo = () => “sarim”; if there is one line of statement then no need to write return and curly brackets

**Main difference bw normal and arrow function is this key word**

In normal function this gets its parent  
In arrow function this gets file parent which is window

**Array Methods**

Var **mapArr** = Arr.map((value,index,array) => {

Return value \* 2;

})

Map() method is used to traverse all the elemets in an array and it returns a new array, it takes a function in its argument

High order and call back functions

FunctionOuter ( functionInner() )

outer one is called higher order function

Inner function is called callback function

**Foreach** don’t return anything

**Filter**

Const filterArr = arr.filter((value,index) => {

If (value == 8) {

Return value;

})

It return empty array when value not found

Class # 03 18-jan-24

JS Promises

Promise: it’s a predefined method which takes a call back function

To handle promise response we use then and catch

Testing Fakestoreapi.com, to make it readeable download json formatter or viewer

To call api we use js method called fetch()

Fetch(“API LINK”)

.then((response) => response.json()) ; used to convert incoming data into json format

.then((reponse)=> console.log(response)); used for response handling

.catch((error)=>log.(error))

Two ways to handle promises in js

* New promise method

.then , .catch is use

* Async Await : is used to handle promises

Try, catch is used

Class # 04 20-jan-24

Import Export

Export default arr: default means only 1 thing is exported and can be imported with any name

Const obj = {

FirstName, : it means that key and value is of same name

LatName,}

Export{} : to export multiple items

Import \* as importItems from “filename” : 2nd approach to import all items, It bring all the imported items from the file also called **alias import**

**Ternary Operators**

Used if only one statement need to be executed

**? = if**

**: = else**

Const ischeck = age === 20 ? “allow” : “not allow”

3 Ways to work on conditions in js

IF else, switch case, ternary operators