React JS Training

Day 1

07/08/2023

ES6 features

* let vs var vs const
* Default function parameters
* Rest parameter
* Spread operator
* For-of
* Template Literals
* Destructuring
* Modules
* Class
* Arrow Functions

<https://www.google.com---------->> URL

req(http/https)------------------------------🡪

Client Server

🡨-----------Res(http/https)

Html/HTML5

CSS/CSS3

JavaScript

Java (spring boot)

Asp.net

Php

Python

Node Js

JavaScript : JavaScript was object based interpreter scripting language. Do to validation on client side or browser side.

Node JS : Before Node js JavaScript known as client side scripting language

But after node js JavaScript also known as client side as well as server side scripting language.

Old version of JavaScript support only objects not class concept till ES5

ECMA (European Computer Manufacture Association) ECMA is a concept.

One of the implementation of ECMA is JavaScript.

But from ES6 onward JavaScript also known as object oriented scripting language.

To declare the variable in JavaScript till ES5 we were/are using var keyword.

From ES6 onward to declare the variable we can use let and const keyword.

VS Code

Using var we can declare the variable in JavaScript. Using var we can re-declare same variable once again with same value or different values.

Using let keyword we can’t re-declare once again same variable with same value

Or different values

var a=10;

a=20; // re-initialization

var a=30; // re-declaration

int a=10;

a=20;

int a=30; // error

let b=10;

b=20;

let b=30; // error

using let we can declare block scope ie if or loop or function

using var we can declare global scope.

In JavaScript we can write function lot of ways.

1. Normal function

function functionname(parameterList) {

function body

}

1. Expression style
2. Arrow style : arrow style function base upon expression style function. In arrow function keyword replace by arrow.
3. Callback function

: passing the function name or function body or function itself to another function as a parameter is known as callback function.

Arrays methods :

In JavaScript we can create user defined object in 3 ways

1. Literal style
2. Function style
3. Class style

Object : object is any real world entity

Property or state-🡪 have -🡪 name,age, weight, height etc.

Person

Behaviour -🡪 do/does -🡪teaching(), sleeping(), eating() etc.

Bank

Animal

Car

Class :

In JavaScript we can implements object in literal style or function style (ES5)

From ES6 onward we can use class.

JSON : JavaScript object notation