11-09-2023

* What is JS
* Feature of JS

How to use JS

Inline JS ( .html )

Create a file with .html extension.

Hello world

How to start JS code.

<script>

Code here

</script>

How to print msg

Three function

Document.write(value);

<script>

    document.write('Hello World');

</script>

Alert(value);

<script>

    alert('Hello World')

</script>

Console.log(value)

How to create variable in JS

Var ,let const deff.

Variable and type of variable

Data type and type of data type

var

<script>

    var a = 10;

    var b = 10;

    var sum = a + b;

    document.write(sum);

</script>

How to insert value by the user.

Prompt()

Integer – string

parseInt()

parseFloat()

parseDouble()

<script>

    var a,b,sum;

    a = parseInt(prompt("Enter First Number"));

    b = parseInt(prompt("Enter Second Number"));

    sum = a + b;

    document.write(sum);

</script>

Events

Onclick

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script>

        function Show(){

            var first,sec,result;

            first = Number(document.getElementById('first').value);

            sec = Number(document.getElementById('sec').value);

            result = first + sec;

            document.getElementById('result').value = result;

        }

    </script>

</head>

<body>

    Enter First Number <input id="first">

    Enter Second Number <input id="sec">

    <button onclick="Show()">Click Me</button>

    Result Is <input id="result">

</body>

</html>

onmouseover

onmouseout

onfocus

onsubmit

onchange

onload

* Control statement

Condition based program

1. If
2. If else
3. else if
4. nested if

if

single condition

if condition is true then program will be executed otherwise program will not be exixuted.

If( condition ){

Statement;

}

<script>

    var n = 10;

    if(n == 10){

        document.write("Number Is Equals to 10");

    }

</script>

If else

Double condition

If first condition is true then second condition is false. If first condition is false second condition is true.

If( condition ){

Statement;

}else{

Statement;

}

<script>

    var n = 1;

    if(n == 10){

        document.write("Number Is Equals to 10");

    }else{

        document.write("Number Is Not Equals to 10");

    }

</script>

Internal JS ( .html )

External JS ( .js )

**12-09-2023**

**ReactJs**

**Reactjs is javaScript library . it’s used for create custom UI and it was developed by facebook company.**

**10000 -> 10 components ( 1000 )**

**Feature of ReactJs**

1. **Single page application**
2. **High secure**
3. **Components**
4. **Structure**

**How to use ReactJS**

1. **Download and install nodejs ( go to nodejs official site and download it.** [**https://nodejs.org/en**](https://nodejs.org/en)**)**
2. **How to check nodejs install or not** 
   1. **Open cmd and type node -v**
3. **How to install reactjs package globally**

**Npm I / install -g create-react-app**

1. **How to install reactjs project**

**npx create-react-app appName**

**note -> no any space and capital in appName but you can use underscore and hyphen in appName**

**how to start project ( npm start )**

**Hello world**

**Create a components**

1. **Functional component**
   1. **Normal function** 
      1. **Internal**

**Create a component**

**First letter of the function will always capital.**

import React from 'react';

import './App.css';

function App() {

  return (

    <div className="App">

        <First />

    </div>

  );

}

function First(){

  return(

    <div>

      <h1>Hello World</h1>

    </div>

  )

}

export default App;

* + 1. **External**

**Create a folder in src**

**Create a file with .jsx extension**

**First.jsx**

import React from "react";

const First = () =>{

    return(

        <div>

            <h1>Hello From External Components</h1>

        </div>

    )

}

export default First

**app.js**

import React from 'react';

import './App.css';

import First from './components/First';

function App() {

  return (

    <div className="App">

        <First />

    </div>

  );

}

export default App;

import React from "react";

const First = () =>{

    return(

        <div>

            <div className="first"></div>

            <div className="sec"></div>

            <div className="first"></div>

            <div className="sec"></div>

            <div className="first"></div>

            <div className="sec"></div>

            <div className="first"></div>

            <div className="sec"></div>

            <div className="first"></div>

            <div className="sec"></div>

        </div>

    )

}

export default First

body{

  margin: 0px;

  padding: 0px;

}

.first{

  height: 100px;

  width: 10%;

  background-color: red;

  float: left;

}

.sec{

  height: 100px;

  width: 10%;

  float: left;

  background-color: green;

}

* 1. **Arrow function**

1. **Class components**