**FSD LAB PROGRAMS**

1. a) Tables and Frames in html?

**Index.html:**

<!DOCTYPE HTML>

<html>

<head>

<title>Example for Frame</title>

</head>

<frameset cols="50%,50%">

<frame src="Frame1.html">

<frame src="Frame2.html">

</frameset>

</html>

**Frame1.html:**

<!DOCTYPE html>

<html>

<style>

table, th, td {

border:1px solid black;

}

</style>

<body>

<h2>TH elements define table headers</h2>

<table style="width:100%">

<tr>

<th>Person 1</th>

<th>Person 2</th>

<th>Person 3</th>

</tr>

<tr>

<td>Gowri Thanmai</td>

<td>Sharanya</td>

<td>Bhargavi</td>

</tr>

<tr>

<td>16</td>

<td>14</td>

<td>10</td>

</tr>

</table>

</body>

</html>

**Frame2.html:**

<!DOCTYPE html>

<html>

<body>

<h2>HTML Image</h2>

<img src="a.jpg " alt="Nature" width="500" height="333">

</body>

</html>

b) Types of CSS and example programs?

**InlineCSS:**

<!DOCTYPE html>

<html>

<body>

<h1 style="color:blue;">A Blue Heading</h1>

</body>

</html>

**InternalCSS:**

<!DOCTYPE html>

<html>

<head>

<style>

body {background-color: powderblue;}

p {color: red;}

</style>

</head>

<body>

<p>This is a paragraph.</p>

</body>

</html>

**ExternalCSS:**

<!DOCTYPE html>

<html>

<head>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<h1>This is a heading</h1>

</body>

</html>

**Styles.css:-**

body {  
  background-color: powderblue;  
}  
h1 {  
  color: blue;  
}  
p {  
  color: red;  
}

1. i) Font Tag:-

<!DOCTYPE html>

<html>

<body>

<p style="font-family:verdana">This is a paragraph.</p>

<p style="font-family:'Courier New'">This is another paragraph.</p>

</body>

</html>

ii) Link Tag:-

<!DOCTYPE html>

<html>

<head>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<h1>Hello World!</h1>

</body>

</html>

iii) Image Tag:-

<!DOCTYPE html>

<html>

<body>

<h2>HTML Image</h2>

<img src="pic\_trulli.jpg" alt="Trulli" width="500" height="333">

</body>

</html>

iv) Image Tag:-

<!DOCTYPE html>

<html>

<body>

<h1>The iframe element</h1>

<iframe src="https://www.w3schools.com" title="W3Schools Free Online Web Tutorials">

</iframe>

</body>

</html>

1. Form Elements in html:-

<!DOCTYPE html>

<html>

<body>

<h2>FORM ELEMENTS</h2>

<form action="action\_page.php">

<textarea name="message" rows="10" cols="30">FSD stands for Full Stack Development</textarea></br>

<label for="fname">First name:</label><br>

<input type="text" id="fname" name="fname">

</br>

<label for="sub">Choose a Subject:</label>

<select id="sub" name="subs">

<option value="fsd">FSD</option>

<option value="ds">DS</option>

<option value="cs">CS</option>

<option value="ml">ML</option>

</select></br>

<input type="submit" value="Submit">

</form>

</body>

</html>

1. a) Different types of lists:-

<!DOCTYPE html>

<html>

<body>

<h2>An unordered HTML list</h2>

<ul>

<li>Coffee</li>

<li>Tea</li>

<li>Milk</li>

</ul>

<h2>An ordered HTML list</h2>

<ol>

<li>Coffee</li>

<li>Tea</li>

<li>Milk</li>

</ol>

<h2>A Description List</h2>

<dl>

<dt>Coffee</dt>

<dd>- black hot drink</dd>

<dt>Milk</dt>

<dd>- white cold drink</dd>

</dl>

</body>

</html>

b)Inset image in a html:-

<!DOCTYPE html>

<html>

<body>

<h2>HTML Image</h2>

<img src="a.jpg " alt="Nature" width="500" height="333">

</body>

</html>

**UNIT-2**

1. Control statements :-

If-else:-

<html>

<head>

<script>

var num=2;

if(num==1){

document.write("JavaScript Statement 1");

}

else if(num==2){

document.write("JavaScript Statement 2");

}

else if(num==3){

document.write("JavaScript Statement 3");

}

else{

document.write("JavaScript Statement n");

}

</script>

</head>

<body>

</body>

</html>

Switch:-

<!DOCTYPE html>

<html>

<body>

<h2>JavaScript switch</h2>

<p id="demo"></p>

<script>

let day;

switch (new Date().getDay()) {

case 0:

day = "Sunday";

break;

case 1:

day = "Monday";

break;

case 2:

day = "Tuesday";

break;

case 3:

day = "Wednesday";

break;

case 4:

day = "Thursday";

break;

case 5:

day = "Friday";

break;

case 6:

day = "Saturday";

}

document.getElementById("demo").innerHTML = "Today is " + day;

</script>

</body>

</html>

Break and Continue:-

<!DOCTYPE html>

<html>

<body>

<p id="demo"></p>

<script>

let text = "";

for (let i = 0; i < 6; i++) {

if (i === 3) { continue; }

text += "The number is " + i + "<br>";

}

document.getElementById("demo").innerHTML = text;

</script>

</body>

</html>

1. A)Mouse Event:-

<!DOCTYPE html>

<html>

<body>

<h1></h1>

<h2>The onmouseover Event</h2>

<img onmouseover="bigImg(this)" onmouseout="normalImg(this)" border="0" src="https://th.bing.com/th/id/R.579ec5039ea6f567808eea0f9d39d348?rik=bSPaF9B1WXeTzw&riu=http%3a%2f%2fclipart-library.com%2fimages%2frinrA5ybT.gif&ehk=2mg7MYkrtWYc%2b%2bL0dv%2b0eGf688JjnXoIugygGwGl1zc%3d&risl=&pid=ImgRaw&r=0" alt="gif" width="150" height="150">

<script>

function bigImg(x) {

x.style.height = "450px";

x.style.width = "450px";

}

function normalImg(x) {

x.style.height = "150px";

x.style.width = "150px";

}

</script>

</body>

</html>

b)JSON Example:-

<!DOCTYPE html>

<html>

<body>

<h2>JSON Example</h2>

<p id="demo"></p>

<script>

const myObj = {"name":"Meghana", "age":20, "car":null};

document.getElementById("demo").innerHTML = myObj.name;

</script>

</body>

</html>

1. A) External javascript:-
2. <!**DOCTYPE** html>
3. <**html**>
4. <**head**>
5. <**title**>
6. Basic Example to Describe JavaScript
7. </**title**>
8. <**script** src="main.js"></**script**>
9. </**head**>
10. <**body**>
11. </**body**>
12. </**html**>

main.js:-

console.log("Welcome to GeeksforGeeks");

4)A) External javascript:-

Only for execution:-

<html>

<head>

<title>Admission Form</title>

</head>

<body>

<center><h1>Admission Form</h1></center>

<div style="margin: 50px;padding: 10px; text-align: center;">

<form method="POST">

<fieldset>

<legend>Login Details</legend>

<table>

<tr>

<td>Username: </td>

<td><input type="text" name="t1"/></td>

</tr>

<tr>

<td>Password: </td>

<td><input type="password" name="t2"/></td>

</tr>

</table>

</fieldset>

<fieldset>

<legend>Personal Details</legend>

<table>

<tr>

<td>Name: </td>

<td><input type="text" name="t3"/></td>

</tr>

<tr>

<td>Mother's Name</td>

<td><input type="text" name="t4"/></td>

</tr>

<tr>

<td>Father's Name</td>

<td><input type="text" name="t5"/></td>

</tr>

<tr>

<td>Date of Birth</td>

<td><input type="date" name="t6"/></td>

</tr>

<tr>

<td>Gender</td>

<td>

<input type="radio" name="r1" value="male">Male</input>

<input type="radio" name="r1" vale="female">Female</input>

</td>

</tr>

</table>

</fieldset>

<fieldset>

<legend>Contact Details</legend>

<table>

<tr>

<td>Contact Number: </td>

<td><input type="tel" name="t7"/></td>

</tr>

<tr>

<td>Email ID: </td>

<td><input type="email" name="t8"/></td>

</tr>

<tr>

<td>Address</td>

<td><textarea rows="5" cols="30">Enter Address...</textarea></td>

</tr>

<tr>

<td>Country: </td>

<td>

<select name="country">

<option>India</option>

<option>USA</option>

<option>UK</option>

<option>Australia</option>

</select>

</td>

</tr>

</table>

</fieldset>

<fieldset>

<legend>Academic Details</legend>

<table>

<tr>

<td>10<sup>th</sup> Class Marks:</td>

<td><input type="number" name="t9"/></td>

<td>Board: </td>

<td><input type="text" name="t9\_1"/></td>

<td>School Name: </td>

<td><input type="text" name="t9\_2"/></td>

</tr>

<tr>

<tr>

<td>12<sup>th</sup> Class Marks:</td>

<td><input type="number" name="t10"/></td>

<td>Board: </td>

<td><input type="text" name="t10\_1"/></td>

<td>School Name: </td>

<td><input type="text" name="t10\_2"/></td>

</tr>

</tr>

</table>

</fieldset>

<div style="margin-top: 20px; padding: 10px;text-align: center;">

<Button onclick="alert('Form Submitted');">Submit</button>

</div>

</form>

</div>

</body>

</html>

**UNIT-3**

ReactJs Program:-

import React from "react";

import ReactDOM from "react-dom/client";

function Hello(props) {

return <h1>Hello World!</h1>;

}

const container = document.getElementById('root');

const root = ReactDOM.createRoot(container);

root.render(<Hello />);

SpringProgram:-

Create a web controller:-

package com.example.servingwebcontent;

import org.springframework.stereotype.Controller;

import org.springframework.ui.Model;

import org.springframework.web.bind.annotation.GetMapping;

import org.springframework.web.bind.annotation.RequestParam;

@Controller

public class GreetingController {

@GetMapping("/greeting")

public String greeting(@RequestParam(name="name", required=false, defaultValue="World") String name, Model model) {

model.addAttribute("name", name);

return "greeting";

}

}

<!DOCTYPE HTML>

<html xmlns:th="http://www.thymeleaf.org">

<head> <title>Getting Started: Serving Web Content</title>

</head>

<body>

<p th:text="'Hello, ' + ${name} + '!'" />

</body>

</html>

**Running an application**

package com.example.servingwebcontent;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class ServingWebContentApplication {

public static void main(String[] args) {

SpringApplication.run(ServingWebContentApplication.class, args);

}

}