**St. Francis Institute of Technology Borivli (West), Mumbai-400103**

**(Autonomous Institute)**

**Department of Information Technology**

**Sub: Internet Programming**

**Experiment -2: Designing of a Registration Form using HTML5 1. Aim:** To design a registration form using HTML5

**2. Objective:** To explore use of HTML-5 and CSS for web designing.

**3. Lab outcome:** Students will be able implement the basic concepts of HTML5 including – • Use of various Attributes and Formatting tags

• Blocks

• Frames

• Forms

**4. Prerequisite:** HTML5

**5. Requirements:** The following are the requirements **–**

• PC/Laptop

• Visual Studio Code/ notepad

• Browser

**6. Pre-Experiment Theory:**

*HTML Block Elements*

Every HTML element has a default display value, depending on what type of element it is. Block-level element always starts on a new line. It always takes up the full width available (stretches out to the left and right as far as it can). A block level element has a top and a bottom margin.

The <div> element is a block-level element. It is often used as a container for other HTML elements.

<div style="background-color:black;color:white;padding:20px;">

<h2>London</h2>

<p>St. Francis Institute of Technology (SFIT) was established in 1999 with a view to create an Engineering Degree Institute to fulfill the long felt public need of an Institute of Excellence in Borivali..</p>

</div>

*Forms*

An HTML form is used to collect user input. The user input is most often sent to a server for processing.

The HTML *<form>* element is used to create an HTML form for user input: *<form>*

*.*

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*form elements*

*.*

*</form>*

• The *<form>* element is a container for different types of input elements, such as: text fields, checkboxes, radio buttons, submit buttons, etc.

• The HTML *<input>* element is the most used form element.

• An *<input>* element can be displayed in many ways, depending on the type attribute. • Here are some examples:

*<input type="text">* Displays a single-line text input field

*<input type="radio">* Displays a radio button (for selecting one of many choices)

*<input type="checkbox">* Displays a checkbox (for selecting zero or more of many choices)

*<input type="submit">* Displays a submit button (for submitting the form) *<input type="button">* Displays a clickable button

• The *<input type="text">* defines a single-line input field for text input. *<form>*

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

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

*<label for="lname">Last name:</label><br>*

*<input type="text" id="lname" name="lname">*

*</form>*

*Frames*

• An HTML iframe is used to display a web page within a web page. The HTML *<iframe>* tag specifies an inline frame.

• An inline frame is used to embed another document within the current HTML document. *<iframe src="url" title="description"></iframe>*

• It is a good practice to always include a title attribute for the *<iframe>.* This is used by screen readers to read out what the content of the iframe is.

• Use the height and width attributes to specify the size of the iframe.

• The height and width are specified in pixels by default:

*<iframe src="demo\_iframe.htm" height="200" width="300"*

*title="Iframe Example"></iframe>*

**7. Laboratory Exercise**

**A. Procedure**

Write HTML code on Visual Studio Code or notepad

Select File, New to write to a new file

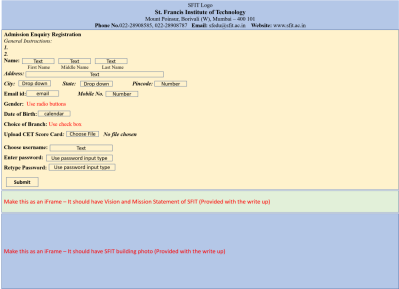
Save the file as .html

To view the output, right-click on the file and select *Open With* option. Then choose any web browser that is available.

Check output

**B. Program Code**

Write and execute an HTML code to design a registration form as per the given details. **2 |Internet Programming Lab**

****Designed by Your name PID No.

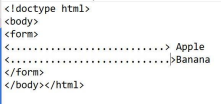
The following features of HTML are to be used -

• Block elements, Forms and iFrames

**8. Post Experimental Exercise**

1. what is the difference between a datalist tag and a select tag?

2. Complete the following code.

a. In the form below, add two checkboxes, both with the name "fruits". 

**b.** Complete the following code to display webpage within a webpage. 

**9. Results/Observations/Program output:**

Present the program code and output

**10. Conclusion:**

Write what was performed in the experiment

Write which all features of HTML you used to perform the experiment

**11. References:**

▪ HTML 5 Black Book (Covers CSS3, JavaScript, XML, XHTML, AJAX, PHP, jQuery) 2Ed., DT Editorial Services

▪ https://www.w3schools.com/html/default.asp

▪ https://spoken-tutorial.org/watch/HTML/Forms+in+HTML/English/

▪ https://www.tutorialspoint.com/html/index.htm

**Results/Observations/Program output:**

1. Present the program code and output

**CODE:**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8" />**

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

**<title>DURVA KADAM</title>**

**<link rel="stylesheet" href="style.css" />**

**</head>**

**<body>**

**<header class="header">**

**<img src="sfit.png" class="logo">**

**<div>**

**<h1>St. Francis Institute of Technology</h1>**

**<h3>Mount Poinsur Borivali(W), Mumbai - 400 101</h3>**

**<div class="headercontact">**

**<strong>Phone no.</strong>**

**<p>022-14635461578</p>**

**<p>Email:</p>**

**<strong><a href="mailto:sfedu@sfit.ac.in">sfedu@sfit.ac.in</a></strong>**

**<p>Website:</p>**

**<strong><a href="http://www.sfit.ac.in" target="\_blank">www.sfit.ac.in</a></strong>**

**</div>**

**</div>**

**</header>**

**<div class="title">**

**<h1>Admission Enquiry Registration</h1>**

**<div class="instructions">**

**<p><b>General Instructions:</b></p>**

**<p> 1. Fill the form in Block Letters.</p><p>2. Use valid details only.</p>**

**</div><br><br>**

**<div class="form-info">**

**<div class="container">**

**<form action="/">**

**<div class="name">**

**<label for="fname"><strong>Name: </strong></label>**

**<input type="text" placeholder="First name" />**

**<input type="text" placeholder="Middle name" />**

**<input type="text" placeholder="Last name" />**

**</div><br>**

**<div class="address">**

**<label for="address"><strong>Address:</strong></label>**

**<input type="text" placeholder="Enter address" />**

**</div><br>**

**<div class="city">**

**<label for="city"><strong>City</strong></label>**

**<select class="form-select" aria-label="Default select example">**

**<option selected>Select City</option><option value="1">Satara</option><option value="2">Mumbai</option><option value="3">Pune</option> </select>**

**<label for="city"><strong> State:</strong></label>**

**<select class="form-select" aria-label="Default select example">**

**<option selected>Select State</option><option value="1">Maharashtra</option><option value="2">Rajasthan</option><option value="3">Gujarat</option>**

**</select>**

**<label for="code"><strong>Pincode:</strong></label>**

**<input type="number"/>**

**</div>**

**<div class="gender">**

**<p>**

**<label for="gender"><strong>Gender:</strong></label>**

**<input**

**class="form-check-input"**

**type="radio"**

**name="flexRadioDefault"**

**id="flexRadioDefault1"**

**/>**

**<label class="form-check-label" for="flexRadioDefault1">**

**Male**

**</label>**

**<input**

**class="form-check-input"**

**type="radio"**

**name="flexRadioDefault"**

**id="flexRadioDefault2"**

**/>**

**<label class="form-check-label" for="flexRadioDefault2">**

**Female**

**</label>**

**<input**

**class="form-check-input"**

**type="radio"**

**name="flexRadioDefault"**

**id="flexRadioDefault3"**

**/>**

**<label class="form-check-label" for="flexRadioDefault3">**

**<div class="dob">**

**<p>**

**<label for="DOB"><strong>Date of Birth: </strong></label>**

**<input type="date" />**

**</p>**

**</div>**

**<div class="branch">**

**<p>**

**<label for="branch"><strong>Choose Branch: </strong></label>**

**<input**

**class="form-check-input"**

**type="checkbox"**

**value=""**

**id="flexCheckDefault"**

**/>**

**<label class="form-check-label" for="flexCheckDefault">**

**Computer Science**

**</label>**

**<input**

**class="form-check-input"**

**type="checkbox"**

**value=""**

**id="flexCheckChecked1"**

**/>**

**<label class="form-check-label" for="flexCheckChecked1">**

**Information Technology**

**</label>**

**<input**

**class="form-check-input"**

**type="checkbox"**

**value=""**

**id="flexCheckChecked2"**

**/>**

**<label class="form-check-label" for="flexCheckChecked2">**

**EXTC**

**</label>**

**<input**

**class="form-check-input"**

**type="checkbox"**

**value=""**

**id="flexCheckChecked3"**

**/>**

**<label class="form-check-label" for="flexCheckChecked3">**

**Mechanical**

**</label>**

**<input**

**class="form-check-input"**

**type="checkbox"**

**value=""**

**id="flexCheckChecked4"**

**/>**

**<label class="form-check-label" for="flexCheckChecked4">**

**Electrical**

**</label>**

**</p>**

**</div>**

**<div class="cet">**

**<p>**

**<label for="score"><strong>Upload CET Score Card: </strong></label><input type="file" class="form-control"**

**id="inputGroupFile04"**

**aria-describedby="inputGroupFileAddon04"aria-label="Upload"**

**/>**

**</p>**

**</div>**

**<div class="details"> <label for="confirm\_password"><strong>Re-enter password:</strong></label>**

**<input type="password" />**

**<br><br><br>**

**<div class="submit-btn">**

**<button type="submit">Submit</button>**

**</div>**

**</div>**

**</form>**

**</div>**

**</div> <footer class="footer">**

**<iframe**

**src="image.png"**

**height="600"**

**width="100%"**

**title="Iframe Example"**

**></iframe>**

**<iframe**

**src="https://images.collegedunia.com/public/college\_data/images/campusimage/1630755306SFIT\_Colege\_Building\_2.jpg?mode=stretch"**

**height="400"**

**width="700"**

**title="Iframe Example"></iframe>**

**</footer>**

**</body>**

**</html>**

**CSS:**

**.body{**

**background-color: rgb(219, 156, 197);**

**padding: 0;**

**margin: 0;**

**}**

**.header{**

**background-color: rgb(227, 182, 207);**

**display: grid;**

**font-size: x-large;**

**margin: auto;**

**border-radius: 60px;;**

**}**

**.header h1{**

**display: flex;**

**justify-content: center;**

**align-items: center;**

**color: red;**

**}**

**.header h3{**

**display: flex;**

**justify-content: center;**

**align-items: center;**

**margin-top: 0px;**

**margin-bottom: 0px;**

**}**

**.instructions p {**

**font-size: 24px;**

**display: inline;**

**margin-right: 10px; /\* Adjust spacing as needed \*/**

**}**

**.logo {**

**height: 180px; /\* adjust height as necessary \*/**

**margin-right: 20px; /\* space from the next element \*/**

**margin-left: 270px;**

**margin-top: 50px; /\* space from the left margin \*/**

**}**

**.headercontact{**

**display: flex;**

**justify-content: center;**

**align-items: center;**

**gap: 13px;**

**padding: 0px;**

**}**

**.container {**

**padding: 22px;**

**background: rgba(255, 255, 255, 0.2);**

**backdrop-filter: blur(6px);**

**-webkit-backdrop-filter: blur(6px);**

**border-radius: 18px;**

**border: 3px solid black;**

**}**

**.form-info{**

**display: flex;**

**justify-content: center;**

**}**

**input[type=text] {**

**width: 200;**

**padding: 10px 45px;**

**margin: 2px 5px;**

**box-sizing: border-box;**

**}**

**input[type=text] {**

**border: 1px solid rgb(0, 0, 0);**

**border-radius: 4px;**

**}**

**.submit-btn button{**

**display: inline-block;**

**padding: 15px 28px;**

**border: 0;**

**text-decoration: none;**

**border-radius: 15px;**

**background-color: rgba(89, 86, 86, 0.1);**

**border: 1px solid rgba(89, 86, 86, 0.1);**

**backdrop-filter: blur(30px);**

**color: rgba(0, 0, 0, 0.8);**

**font-size: 17px;**

**letter-spacing: 2px;**

**cursor: pointer;**

**text-transform: uppercase;**

**}**

**.submit-btn button:hover{**

**background-color: rgba(23, 23, 23, 0.341);**

**transition: all 0.5s ease-out;**

**}**

**.footer{**

**padding-top: 40px;**

**}**

**.details{**

**gap: 5px;**

**}**