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**CLASS: TE-COMP C**

**ROLL NO: 13**

**Experiment 02**

**Aim:-** To study and sketch simple webpage using HTML

**Learning Objective:** Students should be able to implement HTML proficiently

**Tools:**-Any browser, Sublime, Notepad++, VSCode

**Theory:**

**HTML:-**

The HyperText Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets and scripting languages such as JavaScript.

**Unclosed HTML Tags**

**Some HTML tags are not closed, for example br and hr.**

• **<br> Tag:** br stands for break line, it breaks the line of the code.

• **<hr> Tag:** hr stands for Horizontal Rule. This tag is used to put a line across the webpage. **HTML Meta Tags**

DOCTYPE, title, link, meta and style

**HTML Text Tags**

**HTML headings are defined with the <h1> to <h6> tags.**

<h1> defines the most important heading. <h6> defines the least important heading:

<p>HTML paragraphs are defined with the <p> tag ,<strong>, <em>, <abbr>, <acronym>, <address>, <bdo>, <blockquote>, <cite>, <q>, <code>, <ins>, <del>, <dfn>, <kbd>, <pre>, <samp>, <var> and <br>

HTML <canvas> element is used to draw graphics on a web page.

**HTML Link Tags**

HTML links are defined with the <a> tag and <base>

**HTML Image and Object Tags**

<HTML images are defined with the <img> tag, <area>, <map>, <param> and <object> **HTML List Tags**

<ul>, <ol>, <li>, <dl>, <dt> and <dd>

**HTML Table Tags**

table, tr, td, th, tbody, thead, tfoot, col, colgroup and caption

**Result and discussion:**

**Program:-**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHNl/vI1Bx" crossorigin="anonymous">

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

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

    <title>Document</title>

</head>

<body>

    <div class="main-block">

        <h1>Registration form</h1>

        <!-- <h4>Enter your details: </h4> -->

        <br>

        <form name="myform" onsubmit="return validateform()" method="post">

            <hr>

            <div class="account-type">

                <input type="radio" value="none" id="radioOne" name="account" checked/>

                <label for="radioOne" class="radio">Personal</label>

                <input type="radio" value="none" id="radioTwo" name="account" />

                <label for="radioTwo" class="radio">Company</label>

              </div>

            <hr>

            <div class="row">

                <label id="icon" for="name"><i class="fas fa-envelope"></i></label>

                <div class="col-4">

                    <label>User Name</label>

                </div>

                <div class="col-4">

                    <input type="text" >

                </div>

                <br><br>

            </div>

            <div class="row">

                <div class="col-4 "><label>Email id </label></div>

                <div class="col-4"><input type="text"></div>

                <br><br>

            </div>

            <div class="row">

                <div class="col-4"><label>Password</label></div>

                <div class="col-4"><input type="password"></div>

                <br><br>

            </div>

            <div class="row">

                <div class="col-4"><label>Confirm Password </label></div>

                <div class="col-4"><input type="password"></div>

                <br><br><br><br>

            </div>

            <hr>

            <div class="btn-block">

                <div><button type="submit" class="btn btn-outline-primary">Submit</button></div>

                <div><button type="reset" class="btn btn-outline-primary">Reset</button></div>

            </div>

        </form>

    </div>

    <script>

        function validateform(){

            let x = document.forms["myform"]["fname"].value;

            if(x==""){

                alert("Required field");

                return false;

            }

        }

    </script>

</body>

</html>

**Output:-**

Graphical user interface, application

Description automatically generated

**Learning Outcomes:** Students should have the ability to

LO1: Understand basic HTML code

LO2: Implement multiple HTML tags into their code

**Course Outcomes:** Upon completion of the course students will be able to understand how to use HTML and also use various different HTML tags.

**Conclusion:**

In this experiment various types of html tags were introduced. Some tags form the basic skeleton of the form while some are used to add html-objects to the webpage. In this experiment a html code was written to implement the tags. Thus the experiment was successfully implemented.

For Faculty Use

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Correction**  **Parameters** | **Formative**  **Assessment** | **Timely**  **completion of**  **Practical** | **Attendance /**  **Learning**  **Attitude** |  |
| **Marks**  **Obtained** |  |  |  |