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EXPERIMENT 1

Aim: Design a registration page using HTML5 to accept Name, Roll No, Email and Password

***Theory*:**

1. HTML:

- The **Hyper-Text 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 (CSS) and scripting languages such as JavaScript.

- Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages.

- HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

- HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page.

- HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items.

- HTML elements are delineated by *tags*, written using angle brackets. Tags such as <**img** /> and <**input** /> directly introduce content into the page.

- Other tags such as <**p**> surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags, but use them to interpret the content of the page.

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Registration Form</title>
</head>
<body>
    <form action="">
        <div class="container">
        <h1>Register</h1>
        <p>Please fill in this form to create an account.</p>
        <hr>
```
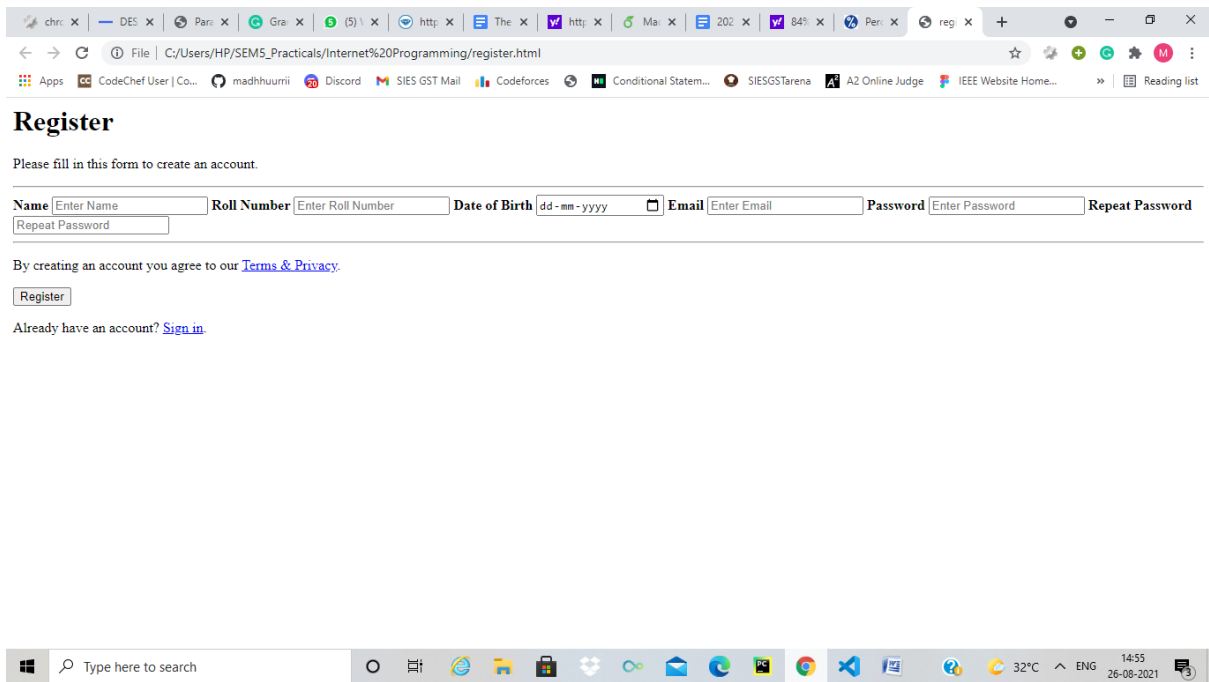
```html
        <label for="name"><b>Name</b></label>
        <input type="text" placeholder="Enter Name" name="name" id="name" requ
ired>
        <label for="roll"><b>Roll Number</b></label>
        <input type="number" placeholder="Enter Roll Number" name="roll" id="r
oll" required>
        <label for="dob"><b>Date of Birth</b></label>
        <input type="date" placeholder="Enter Date of Birth" name="DOB" id="DO
B" required>
        <label for="email"><b>Email</b></label>
        <input type="text" placeholder="Enter Email" name="email" id="email" r
equired>
        <label for="psw"><b>Password</b></label>
        <input type="password" placeholder="Enter Password" name="psw" id="psw
" required>
        <label for="psw-repeat"><b>Repeat Password</b></label>
        <input type="password" placeholder="Repeat Password" name="psw-repeat"
        id="psw-repeat" required>
        <hr>
        <p>By creating an account you agree to our <a href="#">Terms & Privacy
</a>.</p>
        <button type="submit" class="registerbtn">Register</button>
        </div>
        <div class="container signin">
        <p>Already have an account? <a href="#">Sign in</a>.</p>
        </div>
        </form>
</body>
</html>
```

Output:

Conclusion: Hence, we have successfully completed the implementation of HTML5 by creating a basic web page which contains registration details.