

EX NO: 1	
DATE:	

AIM:

To Create and develop a web page using HTML that embeds an image map, marks specific hotspots and displays related information when these hotspots are clicked.

ALGORITHM:

Step 1: Start the webpage and set up the HTML structure.

Step 2: Display the Tiruppur map image, and attach an image map that defines circular clickable areas for each hotspots.

Step 3: Define each hotspot with coordinates matching the areas positions in the image, and use the onclick event to trigger other html pages.

Step 4: In each linked page, include specific content (text, images, facts) about the clicked region or object.

Step 5: Use the href attribute to refer to the respective html page that contains the information about the given area.

Step 6: Also set the target attribute to self, so when the hotspots are clicked, the html containing the information will be displayed in the same page.

Step 7: Test each hotspot to ensure it opens the correct page and the coordinates are accurate.

Step 8: Adjust image size and hotspot coordinates if the layout doesn't align properly.

Step 9: Make sure alt attributes describe hotspots clearly for accessibility.

Step 10: Save all files and open the main page in a browser to verify complete functionality.

PROGRAM:

INDEX.HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>TIRUPPUR map</title>
  <style>
    .img{
      position: fixed;
      top: 0; left: 30%;
      width: 100%; height: 100%; z-index: -1;
    }
    h3{
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    }
    h1{
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
      color: red;
    }
    #tiruppur{
      position: fixed; top: 30%; left: 35%;
    }
    #avinashi{
      position: fixed; top: 10%; left: 34%;
    }
    #easttiruppur{
      position: fixed; top: 45%; left: 45%;
    }
    #udumalpet{
      position: fixed; top: 70%; left: 35%;
    }
  </style>
</head>
<body>
  <h1>TIRUPPUR HOTSPOTS</h1>
  <center></center>
  <map name="image-map">
```

```
<area target="_self" alt="TIRUPPUR" href="tiruppur.html" coords="123,180,71"
  shape="circle">
<area target="_self" alt="TIRUPPUR EAST" href="easttiruppur.html"
  coords="266,241,100" shape="circle">
<area target="_self" alt="AVINASHI" href="avinashi.html" coords="84,69,59"
  shape="circle">
<area target="_self" alt="UDUMALPET" href="udumalpet.html"
  coords="103,386,108" shape="circle">
</map>
<h3 id="tiruppur">TIRUPPUR</h3>
<h3 id="easttiruppur">TIRUPPUR EAST</h3>
<h3 id="avinashi">AVINASHI</h3>
<h3 id="udumalpet">UDUMALPET</h3>
</body>
</html>
```

TIRUPPUR.HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Tiruppur</title>
  <style>
    h1{
      color: red; text-align:center;
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    }
    p{
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
      font-size: 30px;
    }
  </style>
</head>
<body>
  <h1>ABOUT TIRUPPUR</h1>
  <p>Tiruppur is a city and municipal corporation in the Indian state of Tamil Nadu.
    Located on the banks of the Noyyal river in Western Tamil Nadu, it is the
    fourth largest city in the state. It is the administrative capital of Tiruppur
    district and is administered by the Tiruppur Municipal Corporation.</p>
</body>
</html>
```

AVINASHI.HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Avinashi</title>
  <style>
    h1{
      color: red; text-align: center;
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    }
    p{
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
      font-size: 30px;
    }
  </style>
</head>
<body>
  <h1>ABOUT AVINASHI</h1>
  <p>Avinashi is a municipality in the Tiruppur district in the Indian state of Tamil Nadu. Avinashi is one among the nine taluks of the district. It is one of the most popular pilgrim destinations in the Western Tamil Nadu region. It is located off of National Highway NH544, which bypasses the town. Avinashi is primarily known for the Avinashi Lingeswarar Temple, also known as Tiruppukkozhियुर, dedicated to Lord Shiva. It's a significant pilgrimage site and one of the most important Shiva temples in Kongunadu. </p>
</body>
</html>
```

UDUMALPET.HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Udumalpet</title>
  <style>
    h1{
      color: red; text-align: center;
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    }
  </style>
```

```
p{
  font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
  font-size: 30px;
}
</style>
</head>
<body>
  <h1>ABOUT UDUMALPET</h1>
  <p>Udumalaipettai also known as Udumalai, is a town in Tiruppur district in the
    Indian state of Tamil Nadu. It is also the headquarters of Udumalpet taluk, a
    subdivision within the district. It is located 535 km south west from the state
    capital, Chennai and 72 km from Coimbatore. Visit the famous
    Thirumurthyswami Temple, take a trek to Thirumoorthy Hills, and enjoy the
    serene surroundings of the Amaravathi Dam.</p>
</body>
</html>
```

EASTTIRUPPUR.HTML

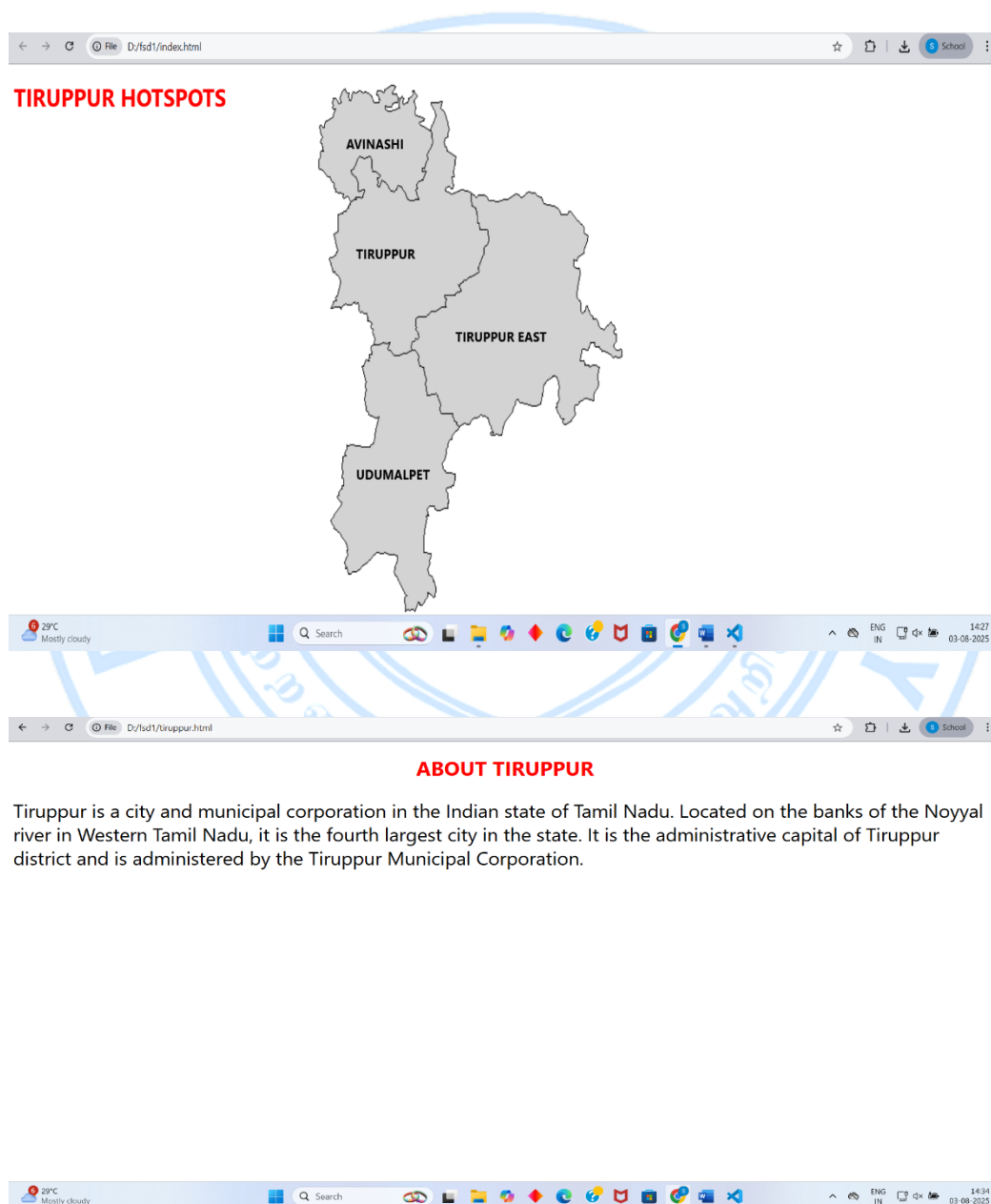
```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>EAST Tiruppur</title>
  <style>
    h1{
      color: red; text-align: center;
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    }
    p{
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
      font-size: 30px;
    }
  </style>
</head>
<body>
  <h1>ABOUT EAST TIRUPPUR</h1>
  <p>East Tiruppur refers to the eastern part of the city of Tiruppur in Tamil Nadu,
    India. It's a major textile and knitwear hub, known for its significant
    contribution to India's cotton knitwear export, accounting for 90%. The city,
    and specifically the eastern area, is a key part of the Tiruppur District, which
```

is known for its textile industry and moderate climate due to its location near the Western Ghats. Common areas in east tiruppur include Dharapuram and Kangeyam. </p>

</body>

</html>

OUTPUT:



ABOUT AVINASHI

Avinashi is a municipality in the Tiruppur district in the Indian state of Tamil Nadu. Avinashi is one among the nine taluks of the district. It is one of the most popular pilgrim destinations in the Western Tamil Nadu region. It is located off of National Highway NH544, which bypasses the town. Avinashi is primarily known for the Avinashi Lingeswarar Temple, also known as Tiruppukkozhayur, dedicated to Lord Shiva. It's a significant pilgrimage site and one of the most important Shiva temples in Kongunadu.

ABOUT EAST TIRUPPUR

East Tiruppur refers to the eastern part of the city of Tiruppur in Tamil Nadu, India. It's a major textile and knitwear hub, known for its significant contribution to India's cotton knitwear export, accounting for 90%. The city, and specifically the eastern area, is a key part of the Tiruppur District, which is known for its textile industry and moderate climate due to its location near the Western Ghats. Common areas in east tiruppur include Dharapuram and Kangayam.

ABOUT UDUMALPET

Udumalaipettai also known as Udumalai, is a town in Tiruppur district in the Indian state of Tamil Nadu. It is also the headquarters of Udumalpet taluk, a subdivision within the district. It is located 535 km south west from the state capital, Chennai and 72 km from Coimbatore. Visit the famous Thirumurthyswami Temple, take a trek to Thirumoorthy Hills, and enjoy the serene surroundings of the Amaravathi Dam.

**RESULT:**

Thus, the creation of web page using HTML that embeds an image map, marks specific hotspots and displays information when these hotspots are clicked, was created and executed successfully.

EX NO:2 DATE:	CREATE A WEBPAGE WITH ALL TYPES OF CASCADING STYLE SHEETS
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AIM:

To create a webpage using HTML that implements all types of Cascading Style Sheet Inline CSS, Internal CSS, External CSS.

ALGORITHM:

Step 1: Start the HTML document with a proper structure

Step 2: Inside the <head>, include a link to the external CSS file using <link> and define internal CSS using a <style> tag.

Step 3: In the external CSS, define h1 with red color and 40px font size, and p with blue color and 30px font size.

Step 4: In the internal CSS, set h1 to have a yellow background and a 2px solid border, and p with a bisque background and similar border.

Step 5: Inside the <body>, add an <h1> tag with inline styles for center alignment and 15px padding.

Step 6: Add a <p> tag with inline styles for center alignment and 30px padding.

Step 7: The browser reads styles from inline, internal, and external sources, then combines them.

Step 8: According to CSS specificity rules, inline styles override both internal and external styles.

Step 9: Internal styles override external styles if there's no inline conflict.

Step 10: Final output displays a centered heading and paragraph styled with the combined CSS rules.

Step 11: End the HTML document and test all sections to confirm that each CSS method works as expected.

PROGRAM:

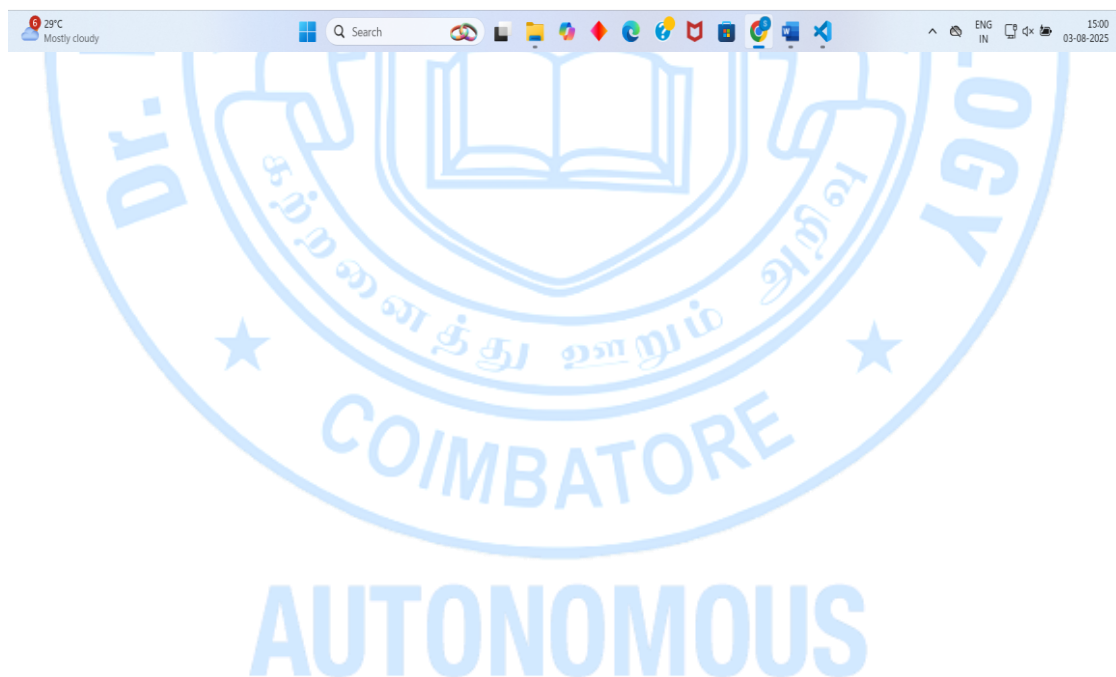
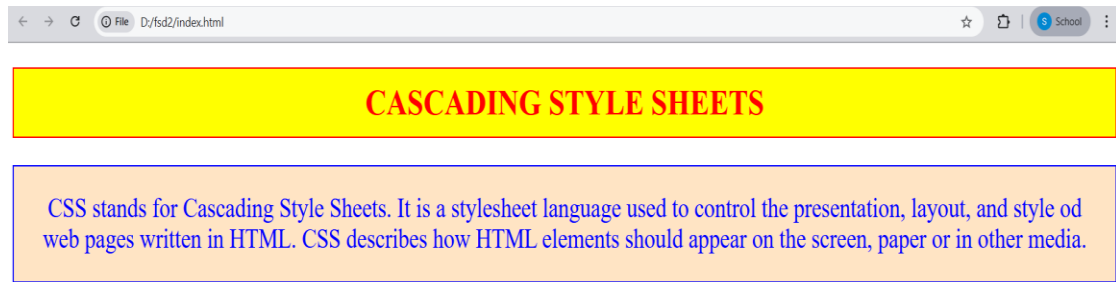
INDEX.HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>CSS Selectors</title>
  <link rel="stylesheet" href="style.css">
  <style>
    h1{
      border: 2px solid;
      background-color: yellow;
    }
    p{
      border: 2px solid;
      background-color: bisque;
    }
  </style>
</head>
<body>
  <h1 style="text-align:center; padding: 15px;">CASCADING STYLE SHEETS</h1>
  <p style="text-align: center; padding: 30px;">CSS stands for Cascading Style Sheets.
    It is a stylesheet language used to control the presentation, layout, and style od
    web pages written in HTML. CSS describes how HTML elements should
    appear on the screen, paper or in other media. </p>
</body>
</html>
```

STYLE.CSS

```
h1{
  color: red;
  font-size: 40px;
}
p{
  color: blue;
  font-size: 30px;
}
```

OUTPUT:



RESULT:

Thus, the creation a webpage using HTML that implements all types of Cascading Style Sheet Inline CSS, Internal CSS, External CSS was created and executed successfully.

EX NO:2 DATE:	CLIENT SIDE SCRIPT FOR VALIDATING WEB FORM CONROLS USING DHTML
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AIM:

To create a Client Side Script for Validating Web Form Controls using DHTML.

ALGORITHM:

- Step 1:** Start the HTML document with a proper structure
- Step 2:** In the <head>, define the page title and write CSS to style the form (backgrounds, fonts, spacing).
- Step 3:** Style the body with a light background and set a clean font using font-family.
- Step 4:** Center the heading <h1> and apply color; style the form with padding, border radius, and width.
- Step 5:** Inside the <body>, add a <h1> tag titled “ENTER THE DETAILS”.
- Step 6:** Create a <form> with an onsubmit attribute that calls the validateForm() function..
- Step 7:** Add input fields: Register No, Name, Department, Email, Password, and Confirm Password - each with appropriate input types.
- Step 8:** Include a submit button styled using CSS for color, size, and cursor.
- Step 9:** In the <script> section, define validateForm() function to compare password and confirm password fields.
- Step 10:** Check if the email contains @ using email.includes("@"); if not, alert and return false.
- Step10:** If both passwords match, show success alert and submit; else, show error alert and prevent form submission.
- Step11:** End the HTML document and test all sections to confirm that the form works as expected.

PROGRAM:

INDEX.HTML

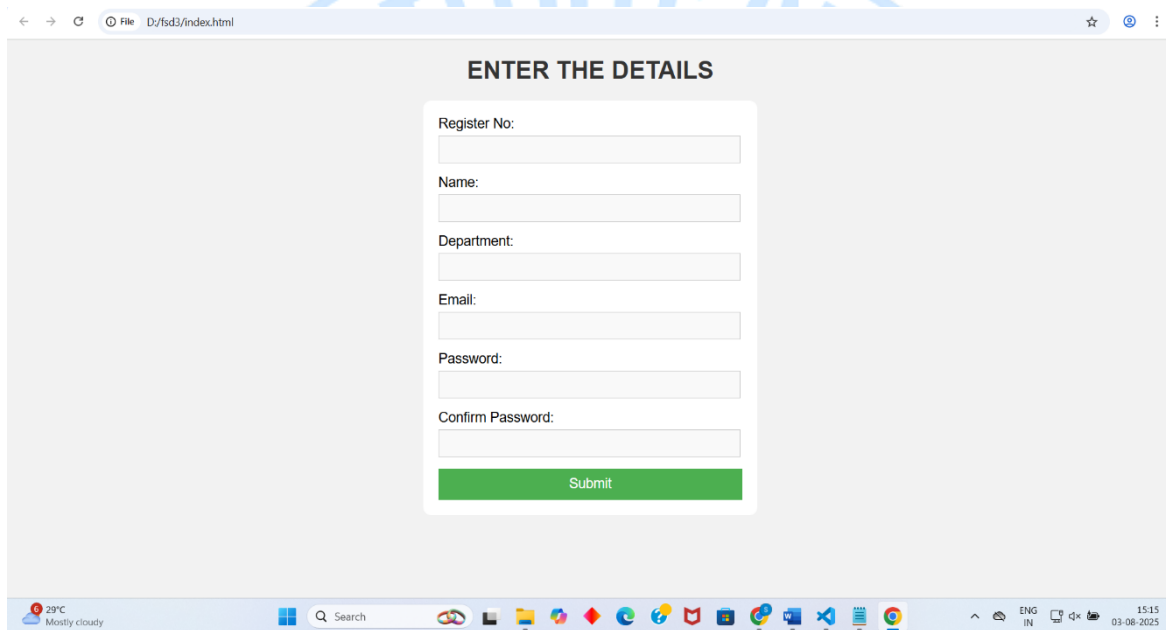
```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>FORM VALIDATION</title>
  <style>
    body {
      background-color: #f2f2f2;
      font-family: 'Arial', sans-serif;
    }
    h1 {
      text-align: center;
      color: #333;
    }
    form {
      background-color: #ffffff;
      padding: 20px;
      width: 400px;
      margin: auto;
      border-radius: 10px;
    }
    label {
      font-size: 18px;
      color: #000000;
    }
    input[type="text"],
    input[type="number"],
    input[type="email"],
    input[type="password"] {
      width: 95%;
      padding: 8px;
      margin-top: 5px;
      margin-bottom: 15px;
      font-size: 16px;
      background-color: #f9f9f9;
      border: 1px solid #ccc;
```

```
}
    input[type="submit"] {
        background-color: #4CAF50;
        color: white;
        font-size: 18px;
        padding: 10px;
        border: none;
        width: 100%;
        cursor: pointer;
    }
</style>
</head>
<body>
    <h1>ENTER THE DETAILS</h1>
    <form onsubmit="return validateForm()">
        <label>Register No:</label>
        <input type="number" id="regno" required>
        <label>Name:</label>
        <input type="text" id="fname" required>
        <label>Department:</label>
        <input type="text" id="dept">
        <label>Email:</label>
        <input type="email" id="email" required>
        <label>Password:</label>
        <input type="password" id="password" required>
        <label>Confirm Password:</label>
        <input type="password" id="confirm_password" required>
        <input type="submit" value="Submit">
    </form>
    <script>
        function validateForm() {
            let pass = document.getElementById("password").value;
            let confirmPass = document.getElementById("confirm_password").value;
            if (pass === confirmPass) {
                alert("Form submitted successfully!");
                return true;
            } else {
                alert("Passwords do not match!");
            }
        }
    </script>

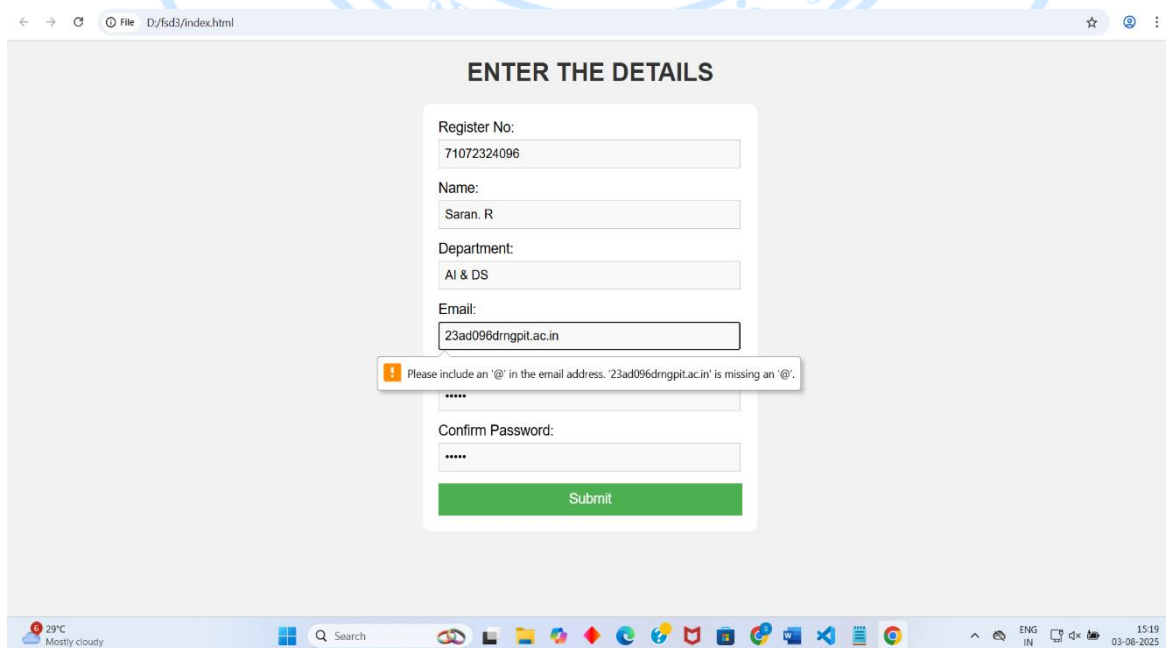
```

```
        return false;
    }
}
</script>
</body>
</html>
```

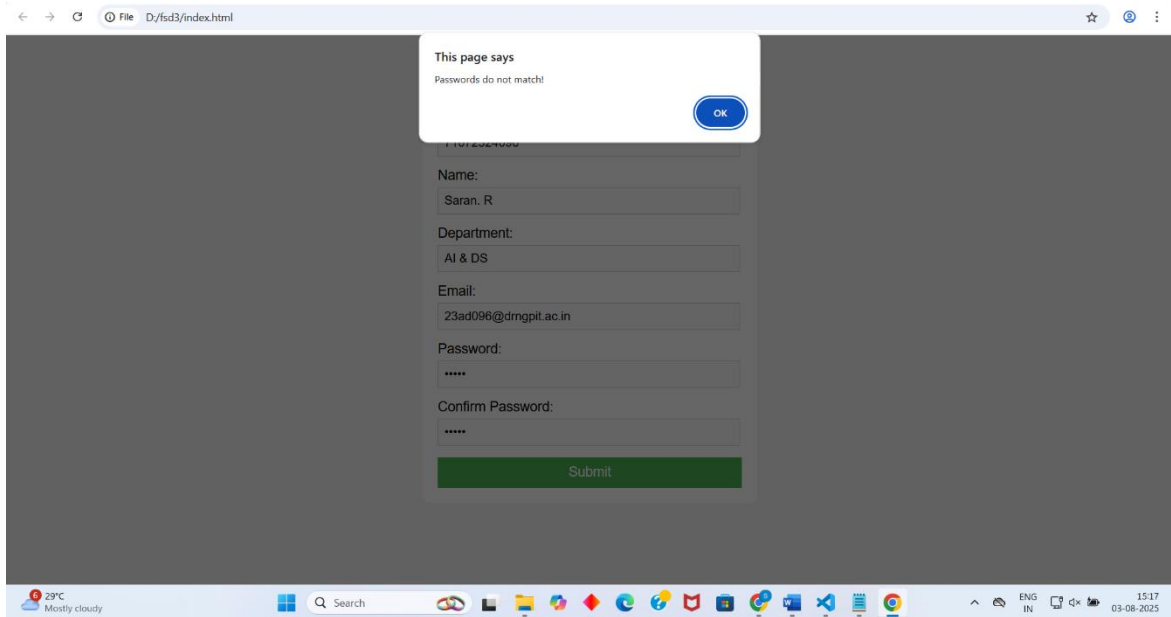
OUTPUT:



A screenshot of a web browser window displaying a registration form titled "ENTER THE DETAILS". The form is centered on a light gray background. It contains several input fields for "Register No:", "Name:", "Department:", "Email:", "Password:", and "Confirm Password:". A green "Submit" button is at the bottom of the form. The browser's address bar shows "D:/fsd3/index.html". The Windows taskbar at the bottom shows the date and time as 15:15 on 03-08-2025.



A second screenshot of the same web browser window, showing the registration form with the following data entered: "Register No:" 71072324096, "Name:" Saran. R, "Department:" AI & DS, "Email:" 23ad096dmgpiti.ac.in, and "Password:" and "Confirm Password:" fields filled with asterisks. A red error message box is displayed over the email field, stating: "Please include an '@' in the email address. '23ad096dmgpiti.ac.in' is missing an '@'." The "Submit" button remains green. The browser's address bar and Windows taskbar are identical to the first screenshot.



RESULT:

Thus, the creation of Client Side Script for Validating Web Form Controls using DHTML was created and executed successfully.