HTML5_Day-2 Hands On Practice_ Uday

1) Problem Statement : Create a multi-page HTML website with navigation links and a basic registration form using appropriate form elements and validation attributes.

- **HTML CODE :**
  Clg_admission.html:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <title>College Admission - Home</title>
</head>
<body>

  <nav>
    <a href="index.html">Home</a> |
    <a href="contact.html">detials</a>
  </nav>

  <h1>Welcome to JNTU Engg College</h1>
  <p>Apply for admission using our online registration form.</p>

  <h2>Admission Open 2026</h2>
  <p>Click on the contact page to fill the registration form.</p>

</body>
</html>
```

Contact.html :

```html
<!DOCTYPE html>
<html lang="en">

<head>
  <title>College Admission - Contact</title>
</head>

<body>

  <!-- Navigation Bar -->
  <nav>
    <a href="index.html">Home</a> |
    <a href="contact.html">Contact</a>
  </nav>

  <h1>College Admission Form</h1>

  <form>

    <label>Full Name:</label><br>
    <input type="text" placeholder="Enter your name" required><br><br>

    <label>Email:</label><br>
    <input type="email" placeholder="Enter your email" required><br><br>
```

```
<label>Password:</label><br>
<input type="password" placeholder="Enter password" required><br><br>

<label>Gender:</label><br>
<input type="radio" name="gender"> Female
<input type="radio" name="gender" required> Male
<input type="radio" name="gender">Any Other
<br><br>

<label>Select Course:</label><br>
<select required>
  <option value="">--Choose Course--</option>
  <option>B.Tech</option>
  <option>B.Sc</option>
  <option>BCA</option>
  <option>BBA</option>
</select>

<br><br>
<input type="submit" value="Register">

  </form>

</body>
</html>
```

- **Technical Explanation :** Implemented page linking with anchor tags and a semantic navigation bar while using HTML5 form controls, radio buttons, select dropdown, and required/placeholder attributes for built-in validation.

- **OUTPUT :**

Home | detials

Welcome to JNTU Engg College

Apply for admission using our online registration form.

Admission Open 2026

Click on the contact page to fill the registration form.

HTML5_Day-2 Hands On Practice_ Uday

College Admission Form

Full Name:
Uday

Email:
uday@gmail.com

Password:
••••••••

Gender:
○ Female ⦿ Male ○ Any Other

Select Course:
B.Tech ⌄

[Register]

2) Problem Statement : Develop a HTML5 website with a semantic navigation menu and working internal and external links.

HTML CODE :

Index.html :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Uday Coaching Institute - Home</title>
</head>
<body>

  <header>
    <h1>Uday Coaching Institute</h1>
  </header>

  <nav>
    <a href="index.html">Home</a> |
    <a href="courses.html">Courses</a> |
    <a href="contact.html">Contact</a>
  </nav>
```

```
<main>
  <h2>Welcome to Our Institute</h2>
  <p>We provide precious knowledge and quality coaching for various Programming
Languages.</p>

  <h3 id="about">About Us</h3>
  <p>Our institute have excellent placements and experienced faculty .</p>

  <p>
    <a href="#about">Go to About Section</a>
  </p>

  <p>
    Follow us on
    <a href="https://www.linkedin.com/in/udaykirankomara" target="_blank">linkedin</a>
  </p>
</main>

</body>
</html>
```

Courses.html :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>ABC Coaching Institute - Courses</title>
</head>
<body>

  <header>
    <h1>Our Courses</h1>
  </header>

  <nav>
    <a href="index.html">Home</a> |
    <a href="courses.html">Courses</a> |
    <a href="contact.html">Contact</a>
  </nav>

  <main>
    <h2>Courses We Offer</h2>

    <ul>
      <li>Java FullStack</li>
      <li>.Net FullStack</li>
      <li>Communication</li>
      <li>Python FullStack</li>
    </ul>

    <p>
      <a href="index.html">Back to Home</a>
    </p>
```

```
    </main>
</body>
</html>
```

contact.html :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Uday Coaching Institute - Contact</title>
</head>
<body>

  <header>
    <h1>Contact Us</h1>
  </header>

  <nav>
    <a href="index.html">Home</a> |
    <a href="courses.html">Courses</a> |
    <a href="contact.html">Contact</a>
  </nav>

  <main>
    <h2>Get in Touch</h2>

    <p>Address: 5th Floor, Tambaram, Chennai</p>
    <p>Phone: +91 7569983999</p>
    <p>Email: udcoaching@gmail.com</p>

    <p>
      <a href="courses.html">View Our Courses</a>
    </p>
  </main>

</body>
</html>
```

- **Technical Explanation :** Uses semantic <nav> and relative <a> links to connect multiple HTML pages with internal and external navigation
- **OUTPUT:**

Uday Coaching Institute

Home | Courses | Contact

Welcome to Our Institute

We provide precious knowledge and quality coaching for various Programming Languages.

About Us

Our institute have excellent placements and experienced faculty .

Go to About Section

Follow us on linkedin

Our Courses

Home | Courses | Contact

Courses We Offer

- Java FullStack
- .Net FullStack
- Communication
- Python FullStack

Back to Home

Contact Us

Home | Courses | Contact

Get in Touch

Address: 5th Floor, Tambaram, Chennai

Phone: +91 7569983999

Email: udcoaching@gmail.com

View Our Courses

3) Problem Statement : Create a student registration form using HTML5 input types with built-in validation for accurate data entry.

OUTPUT :
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Student Registration Form</title>
</head>
<body>

  <h2>Student Registration Form</h2>
```

```
<form>
  <label for="name">Name:</label>
  <input type="text" id="name" name="name" placeholder="Enter your name" required>
  <br><br>

  <label for="email">Email:</label>
  <input type="email" id="email" name="email" placeholder="Enter your email" required>
  <br><br>

  <label for="phone">Phone:</label>
  <input type="tel" id="phone" name="phone"
      placeholder="10-digit phone number"
      pattern="[0-9]{10}"
      required>
  <br><br>

  <label for="age">Age:</label>
  <input type="number" id="age" name="age" min="16" max="60" required>
  <br><br>

  <label for="dob">Date of Birth:</label>
  <input type="date" id="dob" name="dob" required>
  <br><br>

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

</form>

</body>
</html>
```

- **Technical Explanation :**
  Implements semantic <form> with labeled HTML5 inputs and attributes like required, min, max, and pattern to enable automatic browser validation without JavaScript.

OUTPUT:

Student Registration Form

Name: [Enter your name]

Email: [Enter your email]

Phone: [10-digit phone number]

Age: [   ]

Date of Birth: [dd – mm – yyyy 📅]

[Register]

4) Problem Statement : Build a hierarchical multi-page HTML5 website with breadcrumb navigation to show the user's current location.

- **HTML CODE :**

Folder Structure :

```
Day2_HTML_1
│── index.html
│
│── courses
│   └── index.html
│
└── web
    │── index.html
    └── html.html
```

- **HTML CODE :**
  Index.html :

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Home</title>
</head>
<body>

<nav>
  <a href="index.html">Home</a> |
  <a href="courses/courses.html">Courses</a>
</nav>

<h1>Welcome to Training Portal</h1>

</body>
</html>
```

- **── courses**
    └── index.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Home</title>
</head>
<body>

<header>
  <h1>Training Portal</h1>
</header>

<nav>
  <a href="index.html">Home</a> |
  <a href="courses/index.html">Courses</a>
</nav>
```

```
<hr>

<h2>Welcome</h2>
<p>This is the home page of the training portal.</p>

</body>
</html>
```

- └─ **web**
  │─ **index.html**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Web Development</title>
</head>
<body>

<header>
  <h1>Web Development</h1>
</header>

<nav>
  <a href="../index.html">Home</a> |
  <a href="../courses/index.html">Courses</a>
</nav>

<p>
  <a href="../index.html">Home</a> >
  <a href="../courses/index.html">Courses</a> >
  Web Development
</p>

<hr>

<h2>Web Development Course List</h2>

<ul>
  <li>
    <a href="html.html">HTML Course</a>
  </li>
</ul>

</body>
</html>
```

- └─ **htm.html**

```
  <!DOCTYPE html>
  <html lang="en">
  <head>
    <meta charset="UTF-8">
    <title>HTML Course</title>
  </head>
  <body>

  <header>
    <h1>HTML Course</h1>
```

```
</header>

<nav>
  <a href="../index.html">Home</a> |
  <a href="../courses/index.html">Courses</a>
</nav>

<p>
  <a href="../index.html">Home</a> >
  <a href="../courses/index.html">Courses</a> >
  <a href="index.html">Web Development</a> >
  HTML Course
</p>

<hr>

<h2>About HTML</h2>
<p>HTML is the standard language for creating web pages.</p>

</body>
</html>
```

- **Technical Explanation :**

Uses semantic <nav> and relative links to implement folder-based page hierarchy with dynamic breadcrumb trails reflecting the navigation path.

- **OUTPUT:**

- [Grab your reader's attention with a great quote from the document or use this space to emphasize a key point. To place this text box anywhere on the page, just drag it.]

Our Marvelous Restaurant

- Home
- Menu
- About Us
- Contact

Welcome to Our Restaurant

Tasty food served fresh.

Our Marvelous Restaurant

- Home
- Menu
- About Us
- Contact

Our Menu

Fabulous breakfast, lunch, and dinner options.

Our Marvelous Restaurant

- Home
- Menu
- About Us
- Contact

About Us

We've been serving Fabulous meals.

Our Marvelous Restaurant

- Home
- Menu
- About Us
- Contact

Contact

Email: Uday@ourrestaurant.com

5) Problem Statement : Design an HTML5 course enrollment form using advanced elements like <datalist>, <progress>, and <meter> with built-in validation.

- **HTML CODE :**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Course Enrollment Form</title>
</head>
<body>

<header>
  <h1>Course Enrollment</h1>
</header>

<main>

<form>

  <fieldset>
    <legend>Student Information</legend>

    <label for="email">Email:</label>
    <input type="email" id="email" required>
    <br><br>

    <label for="age">Age:</label>
    <input type="number" id="age" min="16" max="60" required>
    <br><br>

  </fieldset>
```

```
  <fieldset>
    <legend>Course Selection</legend>

    <label for="course">Choose Course:</label>
    <input list="courses" id="course" required>

    <datalist id="courses">
      <option value="HTML">
      <option value="CSS">
      <option value="JavaScript">
      <option value="Python">
      <option value="Java">
    </datalist>

    <br><br>
    <label for="level">Skill Level:</label>
    <meter value="0.6" min="0" max="1">60%</meter>

    <br><br>

    <label for="range">Interest Level:</label>
    <input type="range" min="1" max="10">

  </fieldset>

  <fieldset>
    <legend>Enrollment Status</legend>

    <label>Form Completion:</label>
    <progress value="70" max="100"></progress>

  </fieldset>

  <br>

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

</form>

</main>

<footer>
  <p>Online Learning Platform</p>
</footer>

</body>
</html>
```

- **Technical Explanation :**
  Implements a semantic HTML5 form with modern input types and native elements to provide suggestions, display completion status, and represent skill level without JavaScript.

HTML5_Day-2 Hands On Practice_ Uday

OUTPUT :

Course Enrollment

Student Information

Email: _____

Age: _____

Course Selection

Choose Course: _____

Skill Level: [=====   ]

Interest Level: [====●   ]

Enrollment Status

Form Completion: [=======]

[Enroll]

Online Learning Platform