

<b>Ex. No. 2</b>	<b>Working with HTML5 Form and Media Elements</b>
<b>Date of Exercise</b>	<b>25/07/2025</b>
<b>YouTube link</b>	

**Aim:**

To design a web page using HTML5 that demonstrates the use of form elements (like text fields, radio buttons, checkboxes, dropdown lists, etc.) and media elements (audio and video).

**Description:**

HTML5 provides a rich set of elements for creating interactive and multimedia web pages. The `<form>` element is used to collect user data and send it to a server for processing. It supports various input controls such as text fields, email fields, password fields, radio buttons, checkboxes, file uploads, and text areas. The `<label>` tag is used to define labels for form inputs, making them more accessible. The `<select>` and `<option>` tags are used to create dropdown menus, while `<fieldset>` and `<legend>` help group related form elements to improve readability. Additional attributes like `required`, `placeholder`, `pattern`, and `autofocus` make the form more user-friendly and provide input validation directly in the browser.

HTML5 also introduced powerful media elements such as `<audio>` and `<video>` that allow developers to embed sound and video files directly into web pages without requiring plugins. The `<audio>` element supports attributes like `controls`, `autoplay`, `loop`, and `muted`, which enhance playback control. Similarly, the `<video>` element allows for embedding videos with controls such as `play`, `pause`, and `volume` adjustment, and attributes like `poster`, `width`, and `height` for better presentation. The `<source>` tag inside these elements enables specifying multiple file formats to ensure browser compatibility. Together, these HTML5 form and media elements improve user interaction and multimedia integration on modern web pages.

**Program:**

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Application Form</title>

    <link rel="stylesheet" href="./Styles.css">

</head>

<body>

    <div>

        <h1>Company Name</h1>

        <hr>

        <div class="h-div">

            <a href=".//index.html">Media Elements</a>

            <a href=".//Application.html">Application Form</a>

        </div>

        <hr>

    </div>

    <form>

        <h2>Application Form</h2>

        <div>

            <label for="">Name : </label>
```

```
<input type="text">  
</div>  
<div>  
    <label for="">Application Number :</label>  
    <input type="text">  
</div>  
<div>  
    <label for="">Password :</label>  
    <input type="password">  
</div>  
<div>  
    <label for="">Date of Birth :</label>  
    <input type="date">  
</div>  
<div>  
    <label for="">Age :</label>  
    <input type="number" name="" id="">  
</div>  
<div>  
    <label for="">Mobile Number :</label>  
    <input type="number" name="" id="" placeholder="Enter Monile Number">  
</div>  
<div>
```

```
<label for="">Email :</label>  
<input type="email" placeholder="Enter Your Email Id" id="">  
</div>  
  
<div>  
    <label for="">Gender :</label>  
    <input type="radio" name="" id="">Male  
    <input type="radio" name="" id="">Female  
</div>  
  
<div>  
    <label for="">Address :</label>  
    <input type="text" name="" id="" height="560">  
</div>  
  
<div>  
    <label for="">Languages Known :</label>  
    <input type="checkbox" name="" id="">English  
    <input type="checkbox" name="" id="">Tamil  
    <input type="checkbox" name="" id="">Malayalam  
    <input type="checkbox" name="" id="">Telugu  
    <input type="checkbox" name="" id="">Hindi  
</div>  
  
<div>  
    <label for="">Select your Course :</label>  
    <select name="" id="">
```

```
<option value="">B.Tech</option>
<option value="">M.Tech</option>
<option value="">B.Sc</option>
<option value="">M.Sc</option>
</select>
</div>
<div>
    <label for="">Upload Your Photo :</label>
    <input type="file" name="" id="">
</div>
<button type="submit">Submit</button>
</form>
</body>
</html>
```

**Output:**

## Company Name

Media Elements Application Form

0:00 / 0:42

Karunya  
DEEMED UNIVERSITY  
SOLVING HUMAN PROBLEMS  
NAAC Accredited A++

38 YEARS and COUNTING....

CATEGORY 1 Institution UGC Govt.

A++ Grade NAAC

Accreditation ACCA NBR

Global Ranking THE World University Rankings 2025

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STUDENT

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Karunya Football Ground basketball court otz techzone Karunya Guest House water tank Karunya Institute of Technology and Sciences...

**Result:**

Successfully created a web page that demonstrates the use of HTML5 form controls and media embedding elements and executed.