# Today we will talk about: (week-2)

**Block level / container elements: &lt;div&gt;, &lt;pre&gt; etc.,**

```
<div id="div1">
  <h2>This is a heading in a div element</h2>
  <p>This is some text in a div element.</p>
<img src="art4.jpg" alt="planes" width="200" height="200"/>
</div>
```

**Linking Content: Internal links, usage of ID**

Using **named anchor** to link text to other content sections within the same page
&lt;a href="#p1"&gt;, &lt;p id="p1"&gt;
&lt;a href="filename.html#p1"&gt;
Id uniquely identifies an element

**meta tag: &lt;meta&gt;, attributes: http-equiv, content, name, charset**

```
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
  <meta name="description" content="learning ADP using standard web technologies">
  <meta name="keywords" content="client-side, Server-side,  3-tier-architecture, webapps, dynamic web pages, database">
  <meta name="author" content="dcse">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

**type attribute**: (MIME type) – type/subtype
type, content, Content-Type enctype
Ex:  text/plain, text/html, text/javascript, text/css, application/ javascript, application/x-www-form-urlencoded, Type enctype= multipart/form-data, image/jpg
&lt;script type="text/javascript"&gt;fasd;lfjasdl;fja&lt;/script&gt;

## HTML forms:

Elements: **<form>, <input>, <label>, <button>, <select>,<textarea>,<fieldset> and <legend>**

**<form>** - attributes: {name, action, method, target, enctype}

Ex: <form action="http://www.myserver.com/profile.php" method="POST" target="_blank" enctype="multipart/form-data">

**<input>** - attributes: type, id, name, size, readonly, disabled, maxlength, required
      type{ text, radio, checkbox, textarea, submit, reset, date,
      password, search, number, email, date, button, image, hidden,
      file, url, list,......}
Ex: <input type="text" value="req" required/>

**<label>** - Attributes: {for}
<p><label  for="uname"> your name:<input type="text"  id="uname" name="username" size="25" maxlength="30" required/></lable></p>
// The for attribute of the <label> tag should be equal to the id attribute of the <input> element to bind them together.
**<button>** - Attributes: {onclick}
Ex: <input type="button" onclick="alert('choose your branch')">choose branch</button>
**<select>**

<label for="branch">Choose a branch:</label>
<select id="branch" name="branch">
 <option value="CSE">CSE</option>
 <option value="IT">IT</option>
 <option value="AIDS">AIDS</option>
 <option value="AIML">AIML</option>
</select>

**Textarea**

```
<textarea name="message" rows="10" cols="30">
You have chosen the branch of your choice.
</textarea>
```

**<fieldset> and <legend>**

```
<fieldset>
   <legend>enter your branch details:</legend>
   <label for="bname">Branch name:</label><br>
   <input type="text" id="bname" name="bname"
value="CSE"></fieldset>
```
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## Laboratory Exercises: (week-2)

1. Experiment with named anchor (internal linking)
2. Design a webpage, with a form, with the elements text boxes, radio buttons, check boxes, drop down lists, buttons
3. Structuring the Form using HTML Tables. (aligning)
4. Grouping a set of elements with DIV tag, Reordering the form elements in the order of priority and dependencies with previous elements.
5. Identify the form elements that are mandatory to be filled

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