Creating tables using HTML 5

```
<table>
        <thead></thread>
        <tbody>
                <tr><td></d></tr>
        </tbody>
</table>
```

Attributes of <table></table> tag

- align="left | right | center"
- bgcolor="background color"
- width="n or %"
- cellspacing="n" – distance between two cells
- cellpadding="n" – distance between border and text

Attributes of <td></td> and <th></th> tags

- bgcolor="background color"
- align="left | right | center"
- width="n or %"
- height="n or %"
- colspan="n"
- rowspan="n"

Example

<div align="center">**Employee Data**</div>

Employee ID	Name	Department	Designation	Salary	
A001	Lokesh Kumar	Sales	Executive	4500	50
A002	Rohit Sharma	Human Resource	Manager	15000	45

```
<table align="center" border="1" width="80%" cellspacing="0" cellpadding="10">
    <thead><center>Employee Data</center></thead>
    <tbody>
        <tr bgcolor="yellow"><th>Employee
ID</th><th>Name</th><th>Department</th><th>Designation</th><th
colspan="2">Salary</th></tr>
        <tr><td align="center">A001</td><td align="center">Lokesh
Kumar</td><td align="center">Sales</td><td align="center">Executive</td><td
align="right">4500</td><td>50</td></tr>
```

```
    <tr><td align="center">A002</td><td align="center">Rohit
Sharma</td><td align="center">Human Resource</td><td
align="center">Manager</td><td align="right">15000</td><td>45</td></tr>
    </tbody>
</table>
```

Creating HTML Form

To design an HTML form, HTML provides a set of tags and attributes

- ◼ <form></form>
- ◼ <input>
- ◼ <select></select>
- ◼ <textarea></textarea>
- ◼ <label></label>

Using <input> tag

- ◼ Special tag under <form></form> tag to create variety of controls
  - o Single line text box
  - o Password box
  - o Checkbox – for zero or all selection
  - o Radio buttons – for single selection from give choices
  - o Date
  - o Number
  - o Email
  - o File Upload
  - o Button
  - o Submit Button
  - o Reset Button
  - o Hidden
- ◼ Each control must have a unique identification to communicate with that control. Use **ID** attribute for identification at the client side (browser) and **NAME** attribute at the server side (PHP, JSP, Servlet, Django etc.)
- ◼ Use **type** attribute of <input> tag to define the type of control to created
  - o type="text | password | checkbox | radio | file | number | email | date | button | submit | reset | hidden"
  - o size="n"   -- display size
  - o maxlength="n"   -- maximum size allowed for typing
  - o placeholder="water mark text"
  - o value="value on a control"
  - o required   -- to make input mandatory
  - o checked   -- to select a radio button or check a check box
  - o id="unique id for the control at the client side"
  - o name="unique name for the control for the server side"

Example

User ID *   [   ]

Password*   [   ]

User Name*   [   ]

Email   [   ]

Mobile   [   ] – 10 digit max

Date of Birth   [   ] – calendar

Gender   ( ) Male ( ) Female ( ) Trans   -- radio button

Select Subjects [ ] Database Management System

                 [ ] C Programming

                 [ ] Java Programming

Photo   [   ] – file upload box

                 [Register] [Clear]


```html
<form>
    User ID <input type="text" id="userid" name="userid" required><br>
    Password <input type="password" id="pass" name="pass" required><br>
    User Name <input type="text" id="username" name="username" required><br>
    Email <input type="email" id="email" name="email"><br>
    Mobile <input type="text" maxlength="10" id="mobile" name="mobile"><br>
    Date of Birth <input type="date" name="dob" id="dob"><br>
    Gender <input type="radio" value="M" name="gender" checked> Male
           <input type="radio" value="F" name="gender"> Female
           <input type="radio" value="T" name="gender"> Trans<br>
    Select Subject <input type="checkbox" value="S001" name="subject">Database
Management System<br>
    <input type="checkbox" value="S002" name="subject"> C Programming<br>
    <input type="checkbox" value="S003" name="subject"> Java Programming<br>
    Photo <input type="file" name="photo" id="photo"><br>
    <input type="submit" value="Register" name="register" id="register">
    <input type="reset" value="Clear" name="clear" id="clear">
</form>
```