

Internet and Web Programming  
CSE3002  
Fall Semester 2020-21

Lab Assignment 1

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**18BCE0265**

**Question:**

Design a website to demonstrate the knowledge of students in HTML tags, forms, table, list and HTML frames.

- i. Create a user registration webpage using HTML Form elements (Input types) for a hackathon event registration. The webpage must contain the following input types to get the details of the students
- ii. # Input Types:- Textfields, Textarea, checkbox, radio button, submit button, reset button, drop down box, images (if required).
- iii. # Apply styles, Formatting tags of HTML for good design.
- iv. # Embed audio or video.
- v. # Perform form validations with HTML 5 elements.

**Procedure:**

<!DOCTYPE html>: Tells browser that it is an HTML document

<head>: Container for header elements

<title>: Name for toolbar

<body>: Body element for document

<style>: Styles for the different elements

<h1>: Heading of level 1

align: alignment on the HTML document

<form>: Creates an HTML form for user input

action: backend script to process data

method: API request method

`<table>`: Defines a table

cellpadding: Space to left on all 4 sides inside the cell

`<tr>`: Defines a new table row

`<td>`: Defines a cell

`<input>`: Declare input controls that allow users to input data.

type: Defines the type of input text/radio/checkbox

name: Defines the name of the `<input>` element

id: Unique id to identify

pattern: Defines pattern of input data

required: Compulsory to enter

value: Defines the value of the option in radio/checkbox

`<label>`: Represents a caption for an item in a user interface  
For:

`<textarea>`: Multi-line text input control

rows: Min no of rows

cols: Min no of cols.

`<select>`: Used to create dropdown list

`<option>`: Define options for dropdown

`<p>`: Defines a paragraph

`<iframe>`: Defines an inline frame. Used to embed another document, in this case video

width: Defines width of element

height: Defines height of element

src: Source of media

allow: Enables extra restrictions for media hosted by iframe

allowfullscreen: Allow in full screen

<img>: Inserts image

## Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>18BCE0265 IWP Lab DA - 1</title>
</head>
<style>
  body{
    background-color: rgb(20,20,20);
    font-family: Verdana, Geneva, Tahoma, sans-serif;
    color: rgb(16, 229, 125);
  }
  h1{
    font-size: 3em;
  }
  #nameHeading,
  #regNoHeading,
  #emailHeading,
  #mobNoHeading,
  #ideaHeading,
  #yearHeading,
  #branchHeading,
  #domainHeading{
    font-size: 1.2em;
    font-weight: 700;
    font-family: Verdana, Geneva, Tahoma, sans-serif;
  }
  #name,
  #regNo,
  #email,
  #mobNo,
  #idea{
    height: auto;
    width: auto;
    padding: 5px 10px 5px 10px;
    text-transform: capitalize;
    background-color: rgb(20,20,20);
    border: 2px solid rgb(156,156,156);
    border-radius: 5px;
    color: white;
    font-size: 1.2em;
    font-family: Verdana, Geneva, Tahoma, sans-serif;
  }
  #mobPrefix{
```



```

        </td>
    </tr>
    <tr>
        <td>
            <label id="ideaHeading" for="ideaHeading">Idea
Description</label><br>
        </td>
        <td>
            <textarea type="text" id="idea" name="idea" cols="25" rows="5"
required></textarea>
        </td>
    </tr>
    <tr>
        <td>
            <label id="yearHeading" for="yearHeading">Year</label><br>
        </td>
        <td>
            <label id="first" for="">First</label>
            <input name="year" type="radio" value="first" checked>
            <label id="second" for="">Second</label>
            <input name="year" type="radio" value="second">
            <label id="third" for="">Third</label>
            <input name="year" type="radio" value="thirst">
            <label id="fourth" for="">Fourth</label>
            <input name="year" type="radio" value="fourth">
        </td>
    </tr>
    <tr>
        <td>
            <label id="branchHeading" for="branch">Branch</label>
        </td>
        <td>
            <select name="branch">
                <option>Computer Science Engineering</option>
                <option>Information Technology Engineering</option>
                <option>Electronics and Communication Engineering</option>
                <option>Electronics and Electrical Engineering</option>
                <option>Electronics and Instrumentation
Engineering</option>
                <option>Civil Engineering</option>
                <option>Chemical Engineering</option>
                <option>Mechanical Engineering</option>
            </select>
        </td>
    </tr>
    <tr>
        <td>
            <label id="domainHeading">Domain</label>
        </td>
        <td>
            <div id="checkbox">

```

```

        <label for="">Backend</label>
        <input name="role" class="role" type="checkbox"
value="backend">

        <label for="">Web</label>
        <input name="role" class="role" type="checkbox"
value="web">

        <label for="">App</label>
        <input name="role" type="checkbox" value="app">
        <label for="">Designer</label>
        <input name="role" type="checkbox" value="designer">
        <label for="">Other</label>
        <input name="role" type="checkbox" value="other">
    </div>
</td>
</tr>
<tr>
    <td>
        <input type="submit" value="Submit">
        <input type="reset" value="Clear">
    </td>
</tr>
</table>
<table align="center" cellpadding="20">
    <tr>
        <td>
            <iframe width="600" height="300"
src="https://www.youtube.com/embed/DPnqb74Smug" frameborder="0"
allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture"
allowfullscreen></iframe>
        </td>
    </tr>
</table>
</form>
<p style="text-align: center;">
    
</p>
</body>
</html>

```

**Output:**

127.0.0.1

ishan@OmniCorfyOptionsAkshat8Slack | | Abhishek Ra...Vellore Institute of Te...How to center a pict...18BCE0265 IWP Lab...DashboardStart Page

# Hackathon Registration

Name

Registration Number

VIT Email

Mobile Number

Idea Description

Year

First • Second • Third • Fourth •

Branch

Computer Science Engineering

Domain

Backend • Web • App • Designer • Other •

Submit

Clear

TUTORIAL

Learn HTML5 - full course with code samples

Learn HTML5 Full Course

Watch later

Share

127.0.0.1

ishan@OmniCorfyOptionsAkshat8Slack | | Abhishek Ra...Vellore Institute of Te...How to center a pict...18BCE0265 IWP Lab...DashboardStart Page

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HACKATHON

BRAINSTORMDEVELOPMENTPROGRAMMINGTIMINGTEAMWORKGOAL