CSE3002-INTERNET AND WEB PROGRAMMING LAB ASSIGNMENT-1

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SLOT: L13+L14

QUESTION:

- 1. 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:

Tags and attributes used:

<html>-

Root element of an HTML page(contains everything in the html)

<head> -

Tells information about the document and contains any links

<title> -

Gives the topic/name of the document(when we show it on browser the name of the tab is that name)

<h1>,<h2>,<h3>,<h4>,<h5>,<h6>-

The different sizes of headings we can use in which h1 is the largest and h6 is the smallest

<body>-

Contains the body, i.e. the content of the body

<meta>-

Lets your document be responsive

<div>-

Converts the document into sections to which we can give specific classes or ids

Attributes:

style- The style attribute is used to add styles to an element, such as color, font, size, and more.

class- used to specify a class for an HTML element.

id-used to specify a unique id for an HTML element.

-

Gives a line space

-

Used to embed an image in a web page.

Attributes:

src - gives the location of the image file

width- measure of width in pixels

height- measure of height in pixels

alt- gives a name in the location of the image if the image is not available <form>-

Defines form elements, used for collecting data

Attributes:

action- shows where the data is sent when the data is sent method- refers to the HTTP method and how the form data is sent <input>-

used the type of information used to receive from users

Attributes:

type- Specifies field input type, including text password, date, time,checkbox, etc.

maxlength - Maximum input element characters allowed

min- The minimum value of an input element

max- The maximum value of an input element

size- The input element width in characters

Required-used to ensure the input element is completed before submitting

the form

```
<label>-
     tells what the user will enter in each input field
     Attributes:
     for- Specifies which form element(s) a label/calculation is bound to
-
     Defines an HTML table
<thead>-
     contains the head elements of a table
-
     elements are bold and centered
-
     contains the body element of a table
-
     Creates a row for a table
-
     Elements are regular and left-aligned.
<textarea>-
     specifies a large area for text input
<strong>-
```

Defines important text

<select>-

Dropdown box for users to select from options given

<option>-

defines the options given for the dropdown using select tag

<video>-

Defines embedded video content

Attributes:

src- used to refer to the location of the video

type- refers to the type of video (eg: mp4, ogg)

<iframe>-

specifies an inline frame It is used to embed another document within the current HTML document.

Attributes:

height, width- attributes to specify the size of the iframe.

src- defines the URL of the page to embed

controls- Specifies that audio/video controls should be displayed (such as a play/pause button etc.)

<style>-

Defines style information for a document

CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Digital Assignment 1</title>
   <h1 style="text-align: center;"><strong>Hackacthon Registration form</strong></h1>
</head>
<body>
   <div class="row">
      <div class="column">
          <br>
          <img src="https://blog-c7ff.kxcdn.com/blog/wp-</pre>
content/uploads/2019/09/Capture HAckathon wordpress.jpg"
             alt="" style="width: 400px; height: 220px;">
             <br><br><br>>
             <img src="https://encrypted-</pre>
tbn0.gstatic.com/images?q=tbn%3AANd9GcSW5QLj5mp7L43NJAR6N8IpZ51oidGxoo7y5g&usqp=CAU"
             style="width: 400px; height: 220px;">
      </div>
      <div class="column">
          <div id="form-wrapper" style="max-width:650px; font-size: large; border-</pre>
style:groove;">
             <form action="#" name="register">
                 <label for="name" >Name</label>
                            <input type="text" id="name" aria-describedby="name-
<label for="email">Email</label>
                           <input type="email" id="email" size="25" required>
                        <label for="pwd">Password:</label>
                        <input type="password" id="pwd" size="25" minlength="5" maxle
ngth="15" name="pwd">
                           <label for="gender">Gender</label>
```

```
<label for="male">Male</label>
                                   <input type="radio" name="gender" id="male" value="male"</pre>
required ><br>
                                   <label for="female">Female</label>
                                   <input type="radio" name="gender" id="female" value="fema</pre>
le" required><br>
                                   <label for="other">Other</label>
                                   <input type="radio" name="gender" id="other" value="other</pre>
 required><br>
                              <label for="birthday" >Date of Birth:</label>
                               <input type="date" id="birthday" name="birthday" min="200
0-01-01" max="2020-07-15"required>
                           Technical Domains you know:
                                  <label for="frontenddev">Front End Development</label>
                                   <input type="checkbox" id="frontenddev"><br>
                                   <label for="backenddev">Back End Development</label>
                                   <input type="checkbox" id="backenddev"><br>
                                   <label for="appdev">App Development</label>
                                   <input type="checkbox" id="appdev"><br>
                                   <label for="datascience">Data Science</label>
                                  <input type="checkbox" id="datascience"><br>
                                   <label for="otherdomain">Other:</label>
                                  <textarea id="otherdomain" rows="4" cols="30"></textarea>
                              <label for="year">Year:</label>
                              <select id="year" name="year" width="20" required>
                                      <option value="first">1st Year</option>
                                      <option value="second">2nd Year</option>
                                      <option value="third">3rd Year</option>
                                      <option value="fourth">4th Year</option>
```

```
</select>
                              <br>
                  <div style="text-align: center;">
                      <input type="submit" value="Submit"><br><br>
                      <input type="reset" value="Reset"><br>
                  </div>
              </form>
          </div>
      </div>
      <div class="column">
          <video width="300" height="240" controls>
              <source src="hackathon.mp4" type="video/mp4">
          </video>
          <br>
          <iframe width="300" height="300" src="https://www.youtube.com/embed/MIKveRMjmww">
</iframe>
      </div>
  </div>
  <style>
      input .submit{
          border: none;
          color: white;
          padding: 15px 32px;
          text-align: center;
          text-decoration: none;
          display: inline-block;
          font-size: 16px;
          margin: 4px 2px;
          cursor: pointer;
      body{
          background-color:lightskyblue;
      #form-wrapper{
          background-color:papayawhip;
```

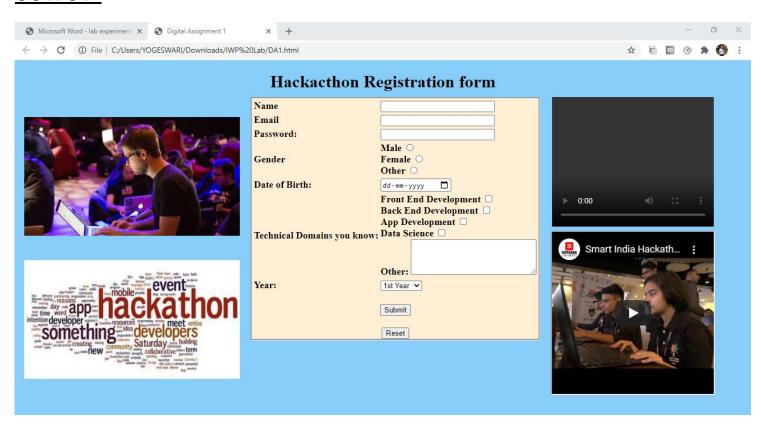
```
.column {
      float: left;
      float: top;
      padding: 10px;
}

.left{
      width: 25%;
}
.right {
      width: 30%;
}

.middle {
      width: 45%;
}

</style>
</body>
</html>
```

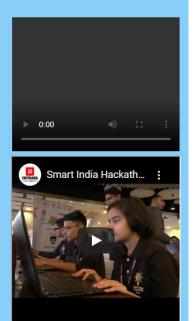
OUTPUT:





Hackacthon Registration form

Name	Yogeswari Sahu
Email	
Password:	
	N Please fill out this field.
Gender	Female
	Other O
Date of Birth:	dd-mm-yyyy 🗖
	Front End Development
	Back End Development
	App Development
Technical Domains you know	: Data Science
	Other:
Year:	1st Year 🗸
Teat.	130 1001
	Submit
	Reset

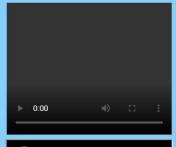


Hackacthon Registration form

















LAB ASSIGNMENT-2

QUESTION:

- 2. Write a program to demonstrate the concept of HTML Image mapping element.
- i. Add an image of the cricket playground.
- ii. Use image mapping to give the details about the various fielding positions.(eg. Gully, slip etc., write description about it and your favourite fielders at that point)

PROCEDURE:

The tags and attributes used:

<body>- Contains the whole body elements

- Defines a paragraph

<h1>-<h6>- Defines Headings of different sizes

Atrributes:

style- to add more styling like font, size, alignment

<imq>-used to embed an image in an HTML page

Attributes:

- src Specifies the path to the image
- alt Specifies an alternate text for the image, if the image for some reason cannot be displayed
- height-Specifies the height of an image

dr>- Gives a break, i.e. gives a line space

<iframe>- specifies an inline frame. An inline frame is used to embed another document within the current HTML document.

<map>-used to define an image map. An image map is an image with clickable areas

CODE:

playground.html

```
<!DOCTYPE html>
<html>
<body>
<h1>Cricket Playground Fielding Positions</h1>
Click on the various field positions and read more about the Positions:
img src="playground.jpg" alt="Playground" usemap="#play" width="450" height="450">
<map name="play">
 <area shape="circle" coords="225,149,25" alt="Wicket Keeper" target="iframe" href="wicketke</pre>
eper.html">
 <area shape="circle" coords="177,138,25" alt="Slips" target="iframe" href="slips.html">
 <area shape="circle" coords="143,159,25" alt="Gully" target="iframe" href="gully.html">
 <area shape="circle" coords="145,200,25" alt="Point" target="iframe" href="point.html">
 <area shape="circle" coords="128,224,25" alt="Cover" target="iframe" href="cover.html">
 <area shape="circle" coords="109,88,25" alt="Third Man" target="iframe" href="thirdman.html</pre>
 <area shape="circle" coords="339,106,25" alt="Fine leg" target="iframe" href="fineleg.html"</pre>
 <area shape="circle" coords="317,223,25" alt="Mid Wicket" target="iframe" href="midwicket.h</pre>
tml">
 <area shape="circle" coords="141,310,25" alt="Mid off" target="iframe" href="midoff.html">
 <area shape="circle" coords="306,181,25" alt="Square leg" target="iframe" href="squareleg.h</pre>
tml">
/map>
```

```
<iframe src="playground.jpg" height="470" width="650" name="iframe" title="Iframe Example"></
iframe>
</body>
</html>
```

wicketkeeper.html

slips.html

gully.html

point.html

cover.html

thirdman, html

fineleg.html

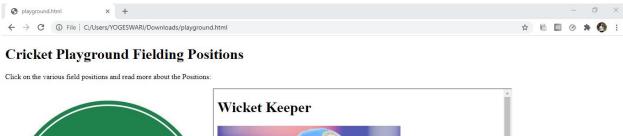
midwicket.html

midoff html

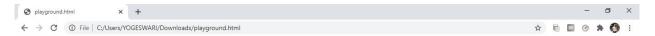
</html>

squareleg.html

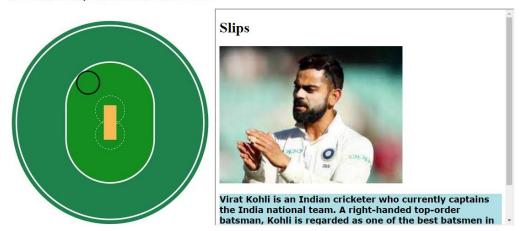
OUTPUT:

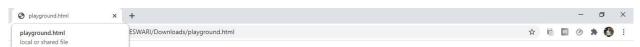




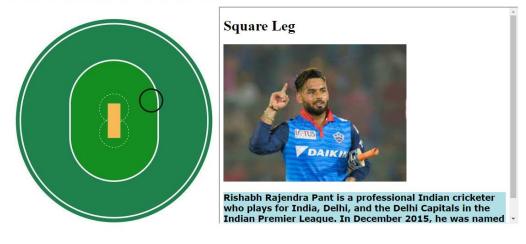


Click on the various field positions and read more about the Positions:





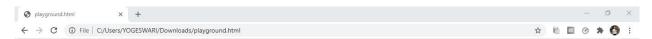
Cricket Playground Fielding Positions





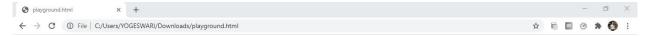
Click on the various field positions and read more about the Positions:





Cricket Playground Fielding Positions

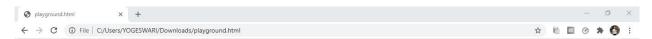




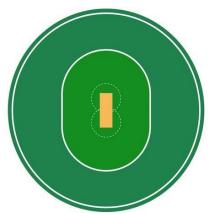
Click on the various field positions and read more about the Positions:



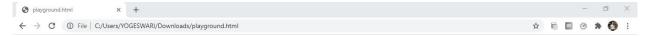




Cricket Playground Fielding Positions

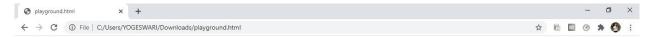






Click on the various field positions and read more about the Positions:





Cricket Playground Fielding Positions





