Department of Information Science and Engineering

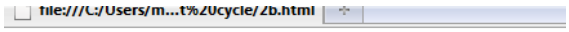
Lab Programs for WEB APPLICATION DEVELOPMENT (19IS3PWWAD)

(2020-21)

HTML

1. Create an document that describes an ordered list with the following content: The highest level should be the names of two states. With Karnataka to be the first element. Under each state, you must have nested, ordered list of major cities. Each of the nested lists in turn have nested lists of areas of those cities. There must be three list items in each sub list below each of the states and below each of the cities.

2. Create a document with to get the following output



Subjects and their concepts

1. Data Structure in c
    1. Pointer
    2. Stack
    3. Quaue
2. Microprocessor
    1. Addressing Modes
    2. 8086 Instruction set
    3. Intrupts
3. C++
    1. Inheritance
    2. Templates
    3. Exception Handling
4. Java
    1. Inheritance
    2. Packages
    3. AWT
5. System software
    1. Assemblers
    2. Loaders
    3. Linkers

3. Create an HTML document that describes a table with the following contents: The columns of the table must have the headings “pine”,”maple”,OAK”, and “Fir”. The rows must have labels average height average width,typical life span and leaf type. Populate the data cell values. Add a second level column label,”tree and second level row label “characteristics.”

4 . Create, test, and validate an HTML document that defines a table that has two levels of column labels: an overall label, Meals, and three secondary labels, Breakfast, Lunch, and Dinner. There must be two levels of row label: an overall label, Foods, and four secondary labels, Bread, Main Course, Vegetable and Dessert. The cells of the table must contain a number of grams for each of the food categories.

5. Create, test, and validate and HTML document that is the home page of a business, Tree Branches, Unlimited, that sells tree branches. This document must include images of and descriptions of at least three different kinds of tree branches. There must be at least one unordered list, one ordered list, and one table. Detailed descriptions of the different branches must be stored in separate documents that are accessible through links from the home document. You must invent several practical uses for tree branches and include sales pitches for them.

6. Create, test, and validate an HTML document that has a form with the following controls:

1. A text box to collect the user's name
2. Four checkboxes, one each for the following items:
   - Four 100-watt light bulbs for $2.39
   - Eight 100-watt light bulbs for $4.29
   - Four 100-watt, long-life light bulbs for $3.95
   - Eight 100-watt, long-life light bulbs for $7.49
3. A collection of three radio buttons that are labeled as follows:
   - Visa
   - MasterCard
   - Discover

7. Desing a HTML table as shown below. (Hint:- Apt is an abrrevation of Apartment). The output should be as is.

Availability of holiday accommodation

	Studio	Apt	Chalet	Villa
Paris				
1 bedroom	11	20	25	23
2 bedroom	-	43	52	32
3 bedroom	-	13	15	40
Rome				
1 bedroom	13	21	22	3
2 bedroom	-	23	43	30
3 bedroom	-	16	32	40

8. Design a HTML Table with the following considering the design shown below.

Population Survey

CI		All Genders	By Gender	
			Males	**Females**
			9215604	4512358
Rural	6521458	4215389	4152348	

CSS

1. Create and test an HTML document that displays a table of football scores from a collegiate football conference in which the team names have one of the primary colors of their respective schools. The winning scores must appear larger and in a different font than the losing scores. The team names must be in a script font.

2. Create and test an HTML document that includes at least two images and enough text to precede the images, flow around them (one on the left and one on the right), and continue after the last image.

3. Create and test an HTML document that has at least a half page of text and that has a small box of text embedded on the left margin, with the small box. The embedded text must appear in a smaller font and also must be set in italic.

4. Create and test an HTML document that has six short paragraphs of text that describe various aspects of the state in which you live. You must define three different paragraph styles p1, p2 and p3. The p1 style must use left and right margins of 20 pixels, a background color of pink, and a foreground color of blue. The p2 style must use left and right margins of 30 pixels, a background color of black, and a foreground color of yellow. The p3 style must use a text indent of 1 centimeter, a background color of green, and a foreground color of white. The first and fourth paragraph must use p1, the second and fifth must use p2, and the third and sixth must use p3.

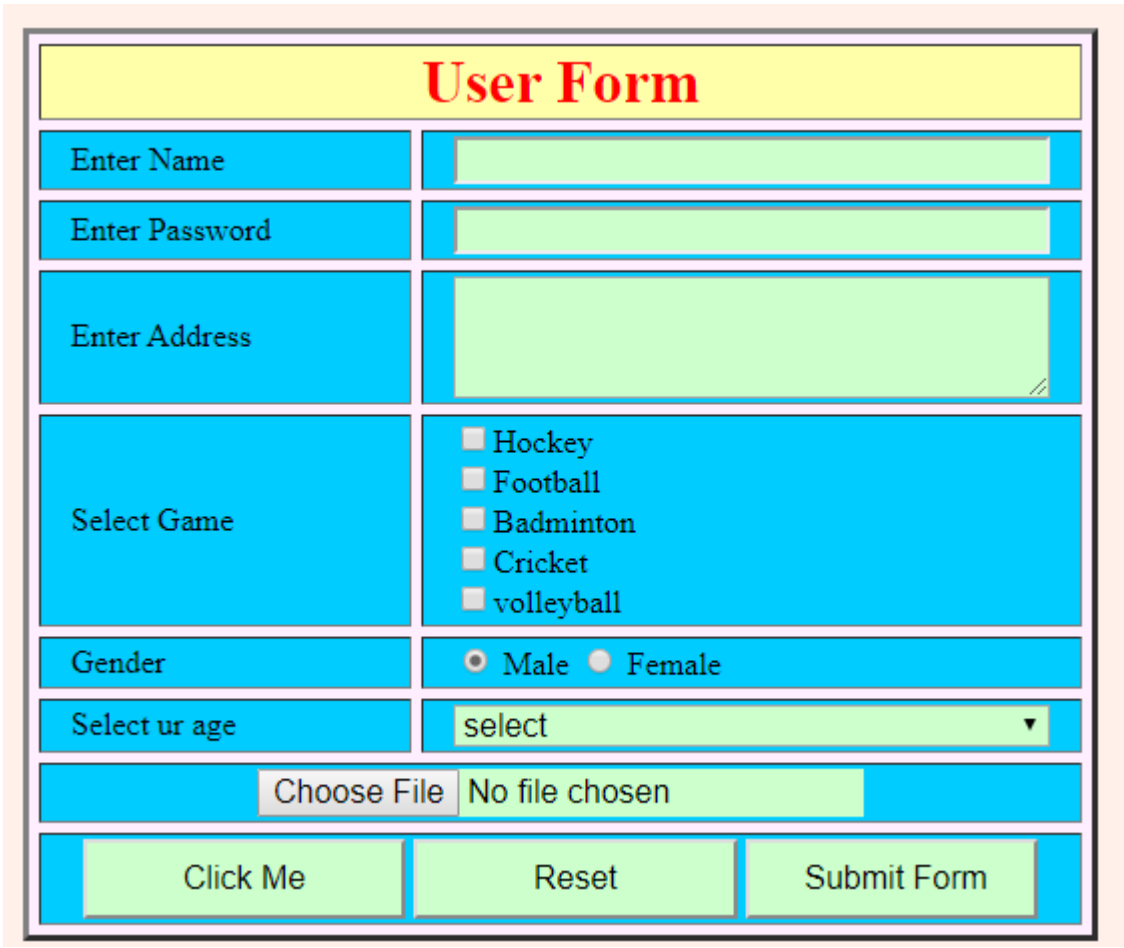
5. Create and test an HTML document that describes nested ordered lists of cars. The outer list must have three entries: compact, midsize, and sports. Inside each of these three lists there must be two sub lists of body styles. The compact and midsize car sub lists are coupe and convertible. Each body-style sub list must have at least three entries, each of which is the make and Model of particular car that fits the category. The outer list must use uppercase Roman numerals, the middle lists must use uppercase letters and the inner lists must use Arabic numerals. The background color for the compact car list must be pink; for the midsize car list it must be blue; for the sports car list, it must be red. All of the styles must be in a document style sheet. Repeat this using external style sheet.

6. Create an html document that contains atleast five lines of text from a newpaper story. Every verb in the text must be green,every noun must be blue and every preposition must be yellow.

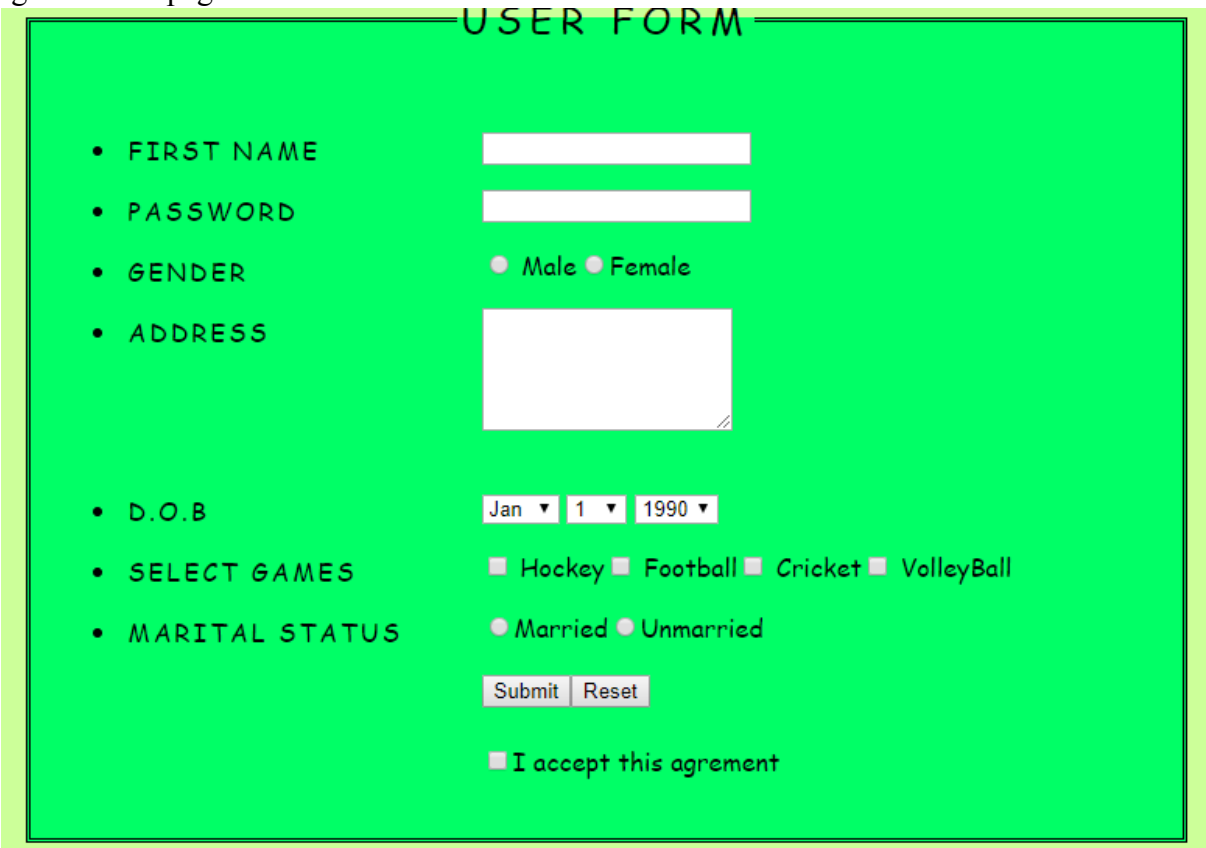
7. Design this webpage using HTML and CSS

STUDENTS MARK SHEET					
Name	Maths	Science	English	Physics	General Knowledge
David	85	87	88	92	88
Richard	91	81	78	71	74
John	81	86	88	84	92
Tony	84	86	87	82	81
Scott	71	79	82	88	89

8.Design this webpage using HTML and CSS



9. Design this web page with html and css



10. Design webpage using HTML and CSS

CSS Animation

11.Write CSS code that displays a blurred text

```
<html lang="en">

<head>
<meta charset=utf-8>
<title>Blurry text with CSS3</title>
<style type="text/css">
p{
        font-size:50px;
        font-family:arial;
        text-shadow:    0 0 3px #000000,
        3px 0 3px #000000,
        0 3px 3px #000000,
        -3px 0 3px #000000,
        0 -3px 3px #000000;
}
</style>
</head>
<body>
<p>This text is blurred</p>
</body>
</html>
```

12. Design an animated CSS with the following specification

1. There should be two balls the first one should be on the left side and second one should be on the right side.
2. The second ball should be half the size of first ball.
3. Color each ball with blue and marron red.
4. When you click on either of the ball both the balls should roll towards each other to the center

```
<div class="anim">
      <div class="ball1"></div>
      <div class="ball2"></div>
  </div>

   .anim:active .ball1 {
     left: 150px;
     transition: left .5s ease-in;
    }


    .anim:active .ball2 {

     left: 350px;
     transition: left .5s ease-in;
```

```
    }


    .ball1 {
      background: rgb(174, 151, 255);
      border-radius: 50%;
      position: absolute;
      top: 0px;
       left: 00px;
      width: 200px;
      height: 200px;
    }

    .ball2 {
      background: #0097C0;
      border-radius: 50%;
      position: absolute;
      top: 100px;
      left: 600px;
      width: 100px;
       height: 100px;
    }

```

13. Design an animated CSS with the following specification
    1. There should be two balls the first one should be on the left side and second one should be on the right side.
    2. Color each ball with blue and marron red.
    3. When you click on the first ball it should hit the second ball. Once the second ball is hit it should roll towards right of the screen.

```
<div class="anim">
    <div class="ball1"></div>
    <div class="ball2"></div>
  </div>

.anim:active .ball1 {
  left: 150px;
  transition: left .5s ease-in;
 }


 .anim:active .ball2 {
```

```
  right: 150px;
   transition: right 5s ease-in;

 }



 .ball1 {
   background: rgb(174, 151, 255);
   border-radius: 50%;
   position: absolute;
   top: 0px;
   left: 00px;
   width: 200px;
   height: 200px;
 }

 .ball2 {
   background: #0097C0;
   border-radius: 50%;
   position: absolute;
   top: 100px;
   right: 900px;
   width: 100px;
    height: 100px;
 }
```

14.Design an animated CSS with the following specification

1. Create two rectangle boxes one below other with some gap.
2. Color them.
3. When mouse is hovered on the first box it has to move toward right of the screen (the second one should be in still)
4. Once the first box completed its animation the second box should move towards right of the screen.

```
<div id="main">
      <div class="one"></div><br>
      <div class="two"></div>
   </div>

div.one {

   width: 100px;
   height: 100px;
   background: red;
```

```
   transition: width 2s
}

div.two {
   width: 100px;
   height: 100px;
   background: blue;
   transition: width 1s;
   transition-delay: 1s

}

div#main:hover .one  {
   width: 300px;

}

div#main:hover .two  {
   width: 300px;
}
```

Java scripts

1.Write HTML files and JavaScript scripts for A table of numbers from 5 to 15 and their squares and cubes.

2.Write HTML files and JavaScript scripts for A First twenty Fibonacci numbers.

3.Write HTML files and JavaScript scripts for A Largest of three input numbers.

4.Write HTML files and JavaScript scripts for input of line of text using prompt. Generate the output as the words of the input text in alphabetical order.

5.Write a java script to find the number of negative elements, zeros and positive numbers in the given array.

6.Write a java script code to print the number with its digits in reverse order.

7.Write Javascript program to insert the numbers into the existing array which maintains sorting order.

Example: If the input array a=[2,4,6,10] then after inserting 1 and 8 the same array should be modified to contain a=[1,2,4,6,8,10].
Note: Should not use any temporary array.

8.Write JS program to remove all Zeros in the given array. INPUT a = [2, 0, 0, 4]

OUTPUT a = [2,4]

9.Write javascript code to find median of the given array of elements.

10. Write a Java script code to validate an email.