**CODE SOLUTIONS ARAE BELOW:**

**HTML Assignment**

**Goal of this Assignment**: Demonstrate knowledge of basic HTML programming and an understanding of system design and implementation.

**Specifics**:

Your Web page must contain NO hyperlinks to any other page, on or off site. This includes inline images that are links to other pages.

Your Web page must contain at least but not limited to:

* a specified title
* two headings
* three different size fonts
* two different color fonts
* some type of text special effect
* two pictures or images
* a table
* a specified background color
* three internal links, one of which returns the user to the top of the page

Design your Web page

2. Design table

1) The table should be styled using at least four properties

2) The table headings should have a border, background color, and at least one other image

3) Style the table so that the text in the first column is left-aligned and the text in the other two columns is centered

4) Set the opacity of the table rows to a value between .6 and .8 (make sure it is still visible)

5) Change the opacity of a row when it is hovered over

6) The table elements < td > should be styled using at least four properties

3**. Assignment:**

Create a HTML5 web page which is used for a Stock Trading App which looks like below screen requirements.

Requirements: a. the stock ticker symbol and price as below should be displayed in a table format b. The Stock trading form below should allow the user to enter the TICKER symbol and the quantity of shares that the user wishes to purchase. c. The shares/stocks can be purchased only in block of 10s (ie 10 shares, 20 shares, 30 shares…..). Validate that the ‘quantity’ input can only take numbers as its value and min is 10 and max is 100 and can be bought only in blocks of 10s as discussed earlier. d. (optional) You can apply styling attributes to this web page through CSS

4. Create a Web Page for an Event Management Company "Xena Events" which is conducting a hot balloon riding event from Feb 28th 2017 onwards for 5 days.

The Web Page should have the below:

1. Heading with appropriate name and logo.
2. A form where people can register for this event with the below details: a. Name : should allow only alphabets. b. Age : should be equal to or greater than 18. c. Email ID : should be a valid email id format d. City: On clicking on the text box, Should display a list that contains city names as "Rajkot", "Vizag" and "Bangalore" but whatever the user enters also should be shown in the list
3. 5. Create a Web Page with two horizontal sections.
4. The top horizontal section should have the heading "Awesome Online videos" along with an image acting as a logo.
5. The bottom horizontal section should have a view area to play the video of the week.
6. Under the view area, there should be only 2 buttons "play" and "pause" which the user can use to play or pause the video of the week.
7. (Optional) both the sections should also give the option to the user to select the color which will be used as the background color for that section.

5. On the Web Page of Agricultural Statistical Department of GOI, we need to show the line chart of the yield of Bajra from 2001 to 2007.

The values are as follows (in lakh tonnes)

2001 : 281  
2002 : 277  
2003 : 275  
2004 : 457  
2005 : 200  
2006 : 280  
2007 : 150

a. Use Canvas and related methods to draw the line chart.

b. You are free to use any styles/colors of your choice

6. For the BCCI (Board of Control for Cricket in India) web page, we need to show a line chart for the batting statistics of the Indian team for a T20 cricket match.

The details are as follows:

Over Runs 5 - 40  
10 - 75  
15 - 140  
20 - 210

**ANSWERS:**

**1:**

**<html>**

**<head>**

**<title>WELCOME</title>**

**<link href="download (1).jpg" alt="img1">**

**<style>**

**.bbb{**

**color:black;**

**padding:10px;**

**font-color:red,green;**

**font-width:10px;**

**text-align:center;**

**}**

**</style>**

**<link rel="stylesheet" type="text/css" href="style\_2.css">**

**</head>**

**<body style="background-color:lightcyan;">**

**<html id="top">**

**<div class="sty">**

**<h1 class="bbb">Welcome to html</h2>**

**<h2>HYPER TEXT MARKUP LANGUAGE</h2>**

**<p>This is a great technlogy to create websites. </p>**

**<p style="font-type:TIMES NEW ROMAN; font-size:30px; font-color:red;text-align:right;"> div is used to divide a web page<p>**

**</div>**

**<hr width="100%"></br>**

**<figure>**

**<img src="download (1).jpg" alt="image1" heigth=300px width=500px align="centre"></br></br>**

**<figcaption>flatiron building</figcaption>**

**<img src="download (2).jpg" alt="image2" heigth=300px width=500px align="right"></br></br>**

**<figcaption style="text-align:right;">it's a bird</figcaption>**

**<img src="download.jpg" alt="image3" heigth=300px width=500px align="left"></br></br>**

**<figcaption style="text-align:left;">nature's bird</figcaption>**

**</figure>**

**<!-- <div style="background-color: lightblue">This is first div</div> -->**

**<hr width="100%">**

**<table border="1" width="50%" heigth="60%">**

**<tr rowspan="2">**

**<caption>SCHOOL DETAILS</caption>**

**<td>REG DETAILS</td>**

**</tr>**

**<th>NAME</th>**

**<th>REGNO</th>**

**<th>marks</th>**

**<th>city</th>**

**<tr>**

**<td>RAJ</td>**

**<td>1</td>**

**<td>40</td>**

**<td>WARANGAL</td>**

**</tr>**

**<tr>**

**<td>JOHN</td>**

**<td>3</td>**

**<td>60</td>**

**<td>DELHI</td>**

**</tr>**

**<tr>**

**<td>smith</td>**

**<td>4</td>**

**<td>70</td>**

**<td>mumbai</td>**

**</tr>**

**<tr>**

**<td>micheal</td>**

**<td>5</td>**

**<td>80</td>**

**<td>coimbatore</td>**

**</tr>**

**<tr>**

**<td>starc</td>**

**<td>6</td>**

**<td>90</td>**

**<td>new york</td>**

**</tr>**

**</table>**

**<footer>**

**<a href="#top">gototop</a>**

**</footer>**

**</body>**

**</html>**

**2.**

**<html>**

**<title>STUDENT DETAILS</title>**

**<head>**

**<style>**

**table,th{**

**color:green;**

**padding:30px;**

**}**

**th{**

**color:black;**

**padding:20px;**

**background-color:gray;**

**background-image:url("download (1).jpg");**

**}**

**td{**

**text-align:left,right;**

**padding:30px;**

**border:2px solid black;**

**background-color:orange;**

**}**

**</style>**

**</head>**

**<body>**

**<table border="1" width="50%" heigth="60%">**

**<tr rowspan="2">**

**<caption>SCHOOL DETAILS</caption>**

**<td colspan="4" style="background-color:orange;">REG DETAILS</td>**

**</tr>**

**<th>NAME</th>**

**<th>REGNO</th>**

**<th>marks</th>**

**<th>city</th>**

**<tr>**

**<td>RAJ</td>**

**<td>1</td>**

**<td>40</td>**

**<td>WARANGAL</td>**

**</tr>**

**<tr>**

**<td>JOHN</td>**

**<td>3</td>**

**<td>60</td>**

**<td>DELHI</td>**

**</tr>**

**<tr>**

**<td>smith</td>**

**<td>4</td>**

**<td>70</td>**

**<td>mumbai</td>**

**</tr>**

**<tr>**

**<td>micheal</td>**

**<td>5</td>**

**<td>80</td>**

**<td>coimbatore</td>**

**</tr>**

**<tr>**

**<td>starc</td>**

**<td>6</td>**

**<td>90</td>**

**<td>new york</td>**

**</tr>**

**</table>**

**</body>**

**</html>**

**4:**

**<html>**

**<head>**

**<title>video title</title>**

**<style>**

**img {**

**border:1px black solid;**

**box-shape:border-box;**

**top-margin:20px;**

**left:50px;**

**right:40px;**

**}**

**</style>**

**</head>**

**<body style="background-color:lightcyan;">**

**<h2 style="color:red;font-style:italic;">AWESOME ONLINE VIDEOS</h2>**

**<button onclick="bgcolor()" type="button">changebgcolor</button>**

**<p id="color" style="">**

**<hr width="100%"></br>**

**<figure>**

**<img src="download (1).jpg" alt="image1" heigth=400px width=500px></br></br>**

**<figcaption>flatiron building</figcaption>**

**</figure>**

**<hr width="100%"></br>**

**<p> VIDEO PLAYABLE</p>**

**<button onclick="playvid()" type="button">play</button>**

**<button onlclick="pausevid()" type="button">pause</button>**

**<video width="320" height="240">**

**<source src="" type="video">**

**</video>**

**<script>**

**function bgcolor()**

**{**

**document.body.style.backgroundColor="green";**

**}**

**</script>**

**</body>**

**</html>**

**5:**

**<html>**

**<head>**

**<title>"XENA EVENTS"</title>**

**<link rel="icon" href="download (1).jpg" type="image">**

**<script type="text/javascript">**

**function validateform(){**

**var alpha="/^[A-Za-z]+$";**

**var name=document.myform.name1.value;**

**var age= document.myform.age.value;**

**if(name.value.match(alpha)||name.value=""){**

**alert("enter only alphabets");**

**}**

**if(age<18)**

**{**

**alert("age should be greater than 18");**

**}**

**</script>**

**</head>**

**<body>**

**<form name="myform" action="" method="POST" onsubmit="validateform()">**

**<fieldset>**

**<p>INFORMATION</p>**

**name:<input type="text" name="name" placeholder="name" maxlength=20 pattern="/[a-zA-Z]+$/"></br></br></br>**

**age:<input type="text" name="age" pattern="/^["></br></br></br>**

**email:<input type="email" name="email" pattern="/^[a-zA-Z0-9.!#$%&'\*+/=?^\_{|}]+@[a-zA-Z0-9-]+(?:\.[a-zA-Z0-9-]+)\*$/"></br></br>**

**<select name="city" id="reg\_city">**

**<option value="rajkot">rajkot</option>**

**<option value="vizag">vizag</option>**

**<option value="bangalore">bangalore</option>**

**<option value="hyderabad">hyderabad</option>**

**</select></br></br></br>**

**<input type="submit" value="submit" onclick="return validateform()">**

**<input type="reset" value="reset">**

**</fieldset>**

**</body>**

**</html>**

**6:cricket**

**<html>**

**<head>**

**<title>canvas</title>**

**</head>**

**<body>**

**<canvas id="myCanvas" width="500" height="400"style="border:1px solid #00ff33;">**

**</canvas>**

**<script type="text/javascript">**

**var c = document.getElementById("myCanvas");**

**var ctx = c.getContext("2d");**

**ctx.font="10px"**

**ctx.linewidth=2.5;**

**ctx.strokeText("Runs Scored",40,30);**

**ctx.strokeText("250-",0,30);**

**ctx.strokeText("210-",0,50);**

**ctx.strokeText("180-",0,110);**

**ctx.strokeText("150-",0,150);**

**ctx.strokeText("100-",0,200);**

**ctx.strokeText("70 -",0,250);**

**ctx.strokeText("40 -",0,300);**

**ctx.strokeText("0 -",0,360);**

**ctx.moveTo(35,380);**

**ctx.lineTo(35,0);**

**ctx.moveTo(0,360);**

**ctx.lineTo(490,360);**

**ctx.stroke();**

**ctx.strokeText("|",120,300);**

**ctx.strokeText("5",120,360);**

**ctx.strokeText("|",200,300);**

**ctx.strokeText("10",200,360);**

**ctx.strokeText("|",300,300);**

**ctx.strokeText("15",300,360);**

**ctx.strokeText("|",400,360);**

**ctx.strokeText("20",400,390)**

**ctx.strokeText("overs->",400,360);**

**ctx.moveTo(130,303);**

**ctx.lineTo(230,245);**

**ctx.moveTo(230,245);**

**ctx.lineTo(330,187);**

**ctx.moveTo(330,187);**

**ctx.lineTo(430,70);**

**ctx.stroke();**

**ctx.fill("green");**

**</script>**

**</body>**

**</html>**

**5:Barclays:**

**<html>**

**<head>**

**<title>canvas</title>**

**</head>**

**<body>**

**<canvas id="myCanvas" width="500" height="400"style="border:1px solid #00ff33;">**

**</canvas>**

**<script type="text/javascript">**

**var c = document.getElementById("myCanvas");**

**var ctx = c.getContext("2d");**

**ctx.font="10px"**

**ctx.linewidth=2.5;**

**ctx.strokeText("lakhs tonnes",30,28);**

**ctx.strokeText("600-",0,20);**

**ctx.strokeText("500-",0,60);**

**ctx.strokeText("400-",0,110);**

**ctx.strokeText("300-",0,160);**

**ctx.strokeText("200-",0,200);**

**ctx.strokeText("100 -",0,250);**

**ctx.strokeText("50 -",0,300);**

**ctx.strokeText("0 -",0,360);**

**ctx.moveTo(30,400);**

**ctx.lineTo(30,0);**

**ctx.moveTo(0,350);**

**ctx.lineTo(500,350);**

**ctx.stroke();**

**ctx.strokeText("|",120,300);**

**ctx.strokeText("2001",120,350);**

**ctx.strokeText("|",200,300);**

**ctx.strokeText("2002",200,350);**

**ctx.strokeText("|",250,300);**

**ctx.strokeText("2003",250,350);**

**ctx.strokeText("|",300,300);**

**ctx.strokeText("2004",300,350);**

**ctx.strokeText("|",350,300);**

**ctx.strokeText("2005",350,350);**

**ctx.strokeText("|",400,300);**

**ctx.strokeText("2006",400,350);**

**ctx.strokeText("|",450,300);**

**ctx.strokeText("2007",450,350);**

**ctx.moveTo(80,230);**

**ctx.lineTo(150,245);**

**ctx.moveTo(150,245);**

**ctx.lineTo(200,187);**

**ctx.moveTo(200,187);**

**ctx.lineTo(250,190);**

**ctx.moveTo(250,190);**

**ctx.lineTo(280,245);**

**ctx.moveTo(280,245);**

**ctx.lineTo(330,187);**

**ctx.moveTo(330,187);**

**ctx.lineTo(400,300);**

**ctx.stroke();**

**ctx.fill("green");**

**</script>**

**</body>**

**</html>**