**Topic - Introduction to HTML/CSS**

**Exercise**

**Ques 1 - How are inline and block elements different from each other?**

**Ans -**

1. **Inline Elements -** Inline elements do not add a line break after the elements. They occupy space as much necessary. Example - <span> tag.
2. **Block Elements -** Block elements always start with a new line. They always take up the full width and stretch out to left and right if needed. Example - <div> tag.

**Ques 2 - Explain the difference between visibility:hidden and display:none**

**Ans -**

1. **Visibility : hidden -** In visibility : hidden , the tag is not visible but space is allocated on the html page.
2. **Display : none -** In display : none , the tag is disable i.e not visible and will not occupy space.

**Ques 3 - Explain the clear and float properties.**

**Ans - Float -** The float property is used for positioning and formatting content.

1. **left -** The element floats to the left of its container
2. **right -** The element floats to the right of its container
3. **none -** The element does not float (will be displayed just where it occurs in the text).
4. **inherit -** The element inherits the float value of its parent

**Clear -** The clear property specifies what elements can float beside the cleared element and on which side.

1. **none -** Allows floating elements on both sides. This is default
2. **left -** No floating elements allowed on the left side
3. **right-** No floating elements allowed on the right side
4. **both -** No floating elements allowed on either the left or the right side
5. **inherit -** The element inherits the clear value of its parent

**Ques 4 - Explain difference between absolute, relative,fixed and static.**

**Ans -**

1. **Absolute -** Absolute is positioned to it’s first positioned parent.
2. **Relative -** Relative is positioned to it’s normal position.
3. **Fixed -** Fixed is positioned related to the browser window. Always stay in the same page even if the page is scrolled.
4. **Static -** Static is the default value , not positioned in any direction (right , left , up , down) only setup by the flow of the page.

**Ques 5 - Write the HTML code to create a table in which there are 4 columns( ID , Employee Name, Designation, Department) and at least 6 rows. Also do some styling to it.**

**Ans -**

<!DOCTYPE html>

<html>

<head>

<style>

table {

font-family: arial, sans-serif;

border-collapse: collapse;

width: 100%;

}

td, th {

border: 1px solid #dddddd;

text-align: left;

padding: 8px;

}

tr:nth-child(even) {

background-color: #dddddd;

}

</style>

</head>

<body>

<h2>HTML Table</h2>

<table>

<tr>

<th>Id</th>

<th>Employee Name</th>

<th>Designation</th>

<th>Department</th>

</tr>

<tr>

<td>1</td>

<td>Shreya Singh</td>

<td>Engineer</td>

<td>Systemics</td>

</tr>

<tr>

<td>22</td>

<td>Tejas Bhatia</td>

<td>CFA</td>

<td>Finance</td>

</tr>

<tr>

<td>20</td>

<td>Yash Sharma</td>

<td>Frontend Developer</td>

<td>Systemics</td>

</tr>

<tr>

<td>9</td>

<td>Sakshi</td>

<td>HR Manager</td>

<td>Management</td>

</tr>

<tr>

<td>18</td>

<td>Somya Agrawal</td>

<td>Security Analyst</td>

<td>Hacker</td>

</tr>

<tr>

<td>3</td>

<td>Suyash</td>

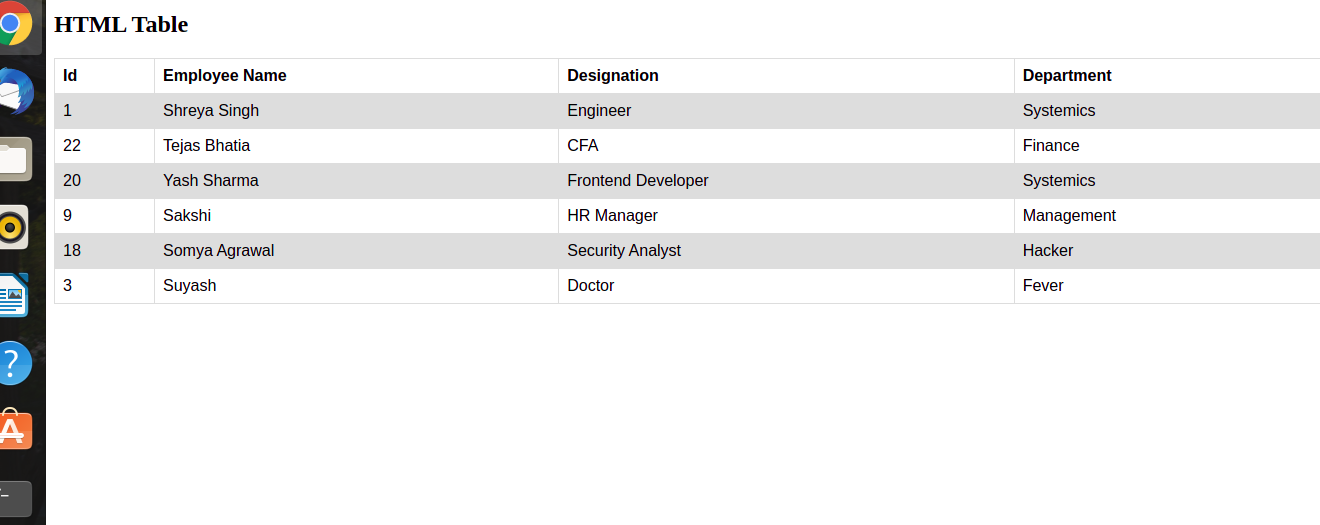
<td>Doctor</td>

<td>Fever</td>

</tr>

</table>

</body></html>



**Ques 6 - Why do we use meta tags?**

**Ans -** Meta tags are used to specify description , keywords , authors of the page but not displayed in the web page. Also helps to improve the search engine optimization of a web page.

**Ques 7 - Explain box model.**

**Ans -** Box model consists of 4 different parts -

1. **Content -** In content text and images are displayed.
2. **Padding -** Padding is transparent and clear the boundary around the content.
3. **Border -** Border is outside content and padding.
4. **Margin -** Margin is outside the border and it is also transparent.

**Ques 8 - What are the different types of CSS Selectors?**

**Ans -** CSS selectors are used to select the elements we want to style.

Types of CSS Selectors are as follows -

1. **Id** - Uses id attribute to select a specific element. It is unique within the page.
2. **Class** - Selects attributes of specific class.
3. **Universal -** Selects all html elements.
4. Grouping - Selects all the elements with the same styling.

**Ques 9 - Define Doctype.**

**Ans -** The DOCTYPE declaration is an instruction to the web browser about what version of HTML the page is written in. It is not a HTML tag. Also it is the first line of code in html to start with.

**Ques 10 - Explain 5 HTML5 semantic tags.**

**Ans -** Five HTML5 semantic tags are as follows -

1. <article> - article is defined in the document
2. <section> - defines section in the document
3. <header> - defines header of the section
4. <aside> - defines the content in sidebar
5. <nav> - navigation links are defined in the document

**Ques 11 - Create HTML for web-page.jpg (check resources, highest weightage for answers)**

**Ans -**

<!DOCTYPE html>

<html>

<head>

<meta charset='utf-8'>

<meta http-equiv='X-UA-Compatible' content='IE=edge'>

<title>Form</title>

<meta name='viewport' content='width=device-width, initial-scale=1'>

<link rel='stylesheet' type='text/css' media='screen' href='drum.css'>

<link href='https://cdn.jsdelivr.net/npm/boxicons@2.0.5/css/boxicons.min.css' rel='stylesheet'>

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css" integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYYxFfc+NcPb1dKGj7Sk" crossorigin="anonymous">

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js" integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js" integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI" crossorigin="anonymous"></script>

<link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.0/css/all.css" integrity="sha384-lZN37f5QGtY3VHgisS14W3ExzMWZxybE1SJSEsQp9S+oqd12jhcu+A56Ebc1zFSJ" crossorigin="anonymous">

<style>

body{

padding: 40px;

margin: 40px;

}

.j1{

min-height: 360px;

min-width: 960px;

}

.j2{

height: 20px;

}

.card-body{

min-height: 400px;

min-width: 100px;

}

nav {

margin: 0px auto;

width: 100%;

height: 60px;

background-color: white;

float: left;

padding: 10px;

position: relative;

z-index: 10;

}

nav:after {

background-color: rgb(37, 36, 36);

content: '';

display: block;

position: absolute;

top: 10px;

left: 10px;

right: 10px;

bottom: 10px;

z-index: -1;

}

#top, #bottom, #left, #right {

background: #29292b;

position: fixed;

}

#left, #right {

top: 0; bottom: 0;

width: 45px;

}

#left { left: 0; }

#right { right: 0; }

#top, #bottom {

left: 0; right: 0;

height: 45px;

}

#top { top: 0; }

#bottom { bottom: 0; }

</style>

</head>

<body>

<div id="left"></div>

<div id="right"></div>

<div id="top"></div>

<div id="bottom">

<div class="text-white mt-2 bg-dark " style="width: 1600px; margin: 0 auto;">

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; Copyright-To the new

</div>

</div>

<section class="bg-dark">

<h2 class="text-white">&nbsp; &nbsp;To The New</h2>>

<nav class="navbar navbar-expand-sm navbar-light bg-dark text-white">

<div class="collapse navbar-collapse text-white" id="navbarNav">

<ul class="navbar-nav text-white">

<li class="nav-item text-white ">

<a class="nav-link text-white" href="#">Test Link <span class="sr-only">(current)</span></a>

</li>

<li class="nav-item">

<a class="nav-link text-white" href="#"> Test Link</a>

</li>

<li class="nav-item">

<a class="nav-link text-white" href="#"> Test Link</a>

</li>

<li class="nav-item">

<a class="nav-link text-white" href="#"> Test Link</a>

</li>

</ul>

</div>

</nav>

</section><br>

<section class="mt-5">

<div class="container">

<div class="jumbotron rounded-0 bg-dark j1">

<h1 class="display-6 text-white text-center"></h1>

</div>

</div>

<div class="container mt-3">

<div class="jumbotron rounded-0 j2">

TO THE NEW is a digital technology company providing digital transformation and product engineering services to ISVs, Consumer Internet, and large enterprises across the globe.

</div>

</div>

</section><br><br>

<section class="mt-5">

<h4>LATEST FROM THE GALLERY</h4><hr>

<div class="row">

<div class="col-md-3">

<div class="card ">

<div class="card-body bg-dark"></div>

<div class="card-footer text-center ">

<p>IMAGE CAPTION HERE</p>

</div>

</div>

</div>

<div class="col-md-3">

<div class="card ">

<div class="card-body bg-dark"></div>

<div class="card-footer text-center ">

<p>IMAGE CAPTION HERE</p>

</div>

</div>

</div>

<div class="col-md-3">

<div class="card ">

<div class="card-body bg-dark"></div>

<div class="card-footer text-center ">

<p>IMAGE CAPTION HERE</p>

</div>

</div>

</div>

<div class="col-md-3">

<div class="card ">

<div class="card-body bg-dark"></div>

<div class="card-footer text-center ">

<p>IMAGE CAPTION HERE</p>

</div>

</div>

</div>

</div>

</section>

</body>

**Ques 12 - Create HTML for form.png (check resources, highest weightage for answers)**

**Ans -**

<!DOCTYPE html>

<html>

<head>

<style>

.mydiv {

border: 2px grey;

background-color : #FFFFFF;

padding-left : 500px;

width : 450px;

height : 60px;

}

</style>

</head>

<body>

<h2>TO THE NEW</h2> <span> Home Quick Help</span>

<div class = ".mydiv" style="padding-left : 500px ; padding-right : 400px;">

<form>

<div style ="border-style : groove ; background-color : #A8A8A8 ; margin : auto;">

<h3 style = "background-color : #A8A8A8 ; border-radius : 5px"> Bug Report </h3>

</div>

<div style ="border-style : groove ; margin : auto; padding : 5px 5px 5px 5px">

<tr>

<b><label for = "Title">Title:<span class = "required" ; style = "color : grey">\*</span></label></b>

<td> <textarea name = "Title" rows = "1" cols = "45"></textarea>

</tr>

<tr>

<b><label for ="Description">Description:<span class = "required" ; style = "color : grey">\*</span></label></b>

<td> <textarea name = "Description" rows = "4" cols = "45"></textarea>

</td>

</tr>

<tr>

<b><label for ="Operating System">Operating System:<span style = "color : grey"></span></label></b>

<td><br><select name="Windows XP" style = "width: 352px;background-color: #39C7AB" >

<option value="Windows XP">Windows XP</option>

<option value="Linux">Ubuntu</option>

</select></br>

</td>

<tr>

<b><label for ="Product">Product:<span class ="required" ; style = "color : grey">\*</span></label></b>

<td><br><select name="Formoid" style = "width: 352px;background-color: #39C7AB" >

<option value="Formoid">Formoid</option>

</select></br>

</td>

<tr>

<b><label for = "Version">Version:<span class = "required" ; style = "color : grey">\*</span></label></b>

<td><br><textarea name = "Version" rows = "1" cols = "25"></textarea></br>

</tr>

<tr>

<b><label for = "Licence">Licence:<span style = "color : grey"></span></label></b>

<br><tr colspan=8><td>

<input type="radio" value="Free">Free</input>

<input type="radio" value="Business">Business</input>

</td></tr></br>

<tr>

<b><label for ="Severity">Severity:<span style = "color : grey"></span></label></b>

<td><br><select name="Critical" style = "width: 352px;background-color: #39C7AB" >

<option value="Critical">Critical</option>

</select></br>

</td>

<tr>

<b><label for ="Attachments">Attachments:<span style = "color : grey"></span></label></b>

<td><input type="text" placeholder="No file Selected">

<button type="submit" value="submit" name="Choose File" >Choose File </button>

</td></tr>

</div>

</div>

<div style="border-style: groove; margin-left: 500px; width: 360px; height: 60px;background-color:#FFFFFF " >

<input style="float: right; background-color:#39C7AB; border-radius: 5px ; padding: 10px 10px 10px 10px; margin: 5px 10px 10px 10px" type="submit" name="Send" value="send">

</div>

</form>

</body>

</head>

</html>