ASSIGNMENT -4 (Introduction To HTML and CSS)

Q1) How are inline and block elements different from each other?

Ans)
- Block elements always start from a new line, take up the maximum width available, and are displayed in a column.
  eg)<div>,<p>
- Inline elements don't start on a new line even if they go beyond the width of the website. They are displayed in the line they were originally placed on.

  eg)<span>

Q2) Explain the difference between visibility:hidden and display:none

 Ans)
display:none- means that the tag in question will not appear on the page at all (although you can still interact with it through the dom). There will be no space allocated for it between the other tags.

 Visibility:hidden- means that the tag is not visible, but space is allocated for it on the page. The tag is rendered, it just isn't seen on the page

Q3) Explain the clear and float properties.
Ans)
CLEAR-
Controls behavior of the floating element by avoiding the overlapping of consecutive elements over the floating element. The value of the clear property specifies the side on which the floating element is not supposed to float. The values of clear property can be *none, left, right, both, inherit.*

FLOAT-
If you have a few html elements inside one container, you need to determine how will they float. This property is most commonly used to wrap text around images however it can be utilized for other elements too. There are four possible values for CSS float property:*left, right, none, inherit.*

Q4) Explain difference between absolute, relative,fixed and static.
Ans-
- Absolute-
  Positions the element relative to its immediately positioned ancestor.If no ancestor is present, then the element uses the document's body for positioning

- Relative-
  Positions the element relative to its normal position.The *top, bottom, left* and *right* properties
define the relative position.

- Fixed-
  Positions the element on the browser's viewport and does not move even on scrolling the page

- Static-
  Positions the element based on the normal flow of the HTML document.Elements are positioned in static by default and the *left, right, top* and *bottom* properties have no effect

Q 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) <html>
<head>
<title>
        Table
                </title>
<style>
table{
      border: 1px solid black;

}

tr,td{ padding:5px;

}
<style>
</head>
<body>
<table>
<thead>
<tr>
<th>ID</th>
<th>Employee Name</th>
<th>Designation</th>
<th>Department</th>
</tr>
</thead>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>

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

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

```
<td></td>
<td></td>
</tr>

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

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

</table>
</body>
</html>
```

Q 6) Why do we use meta tags?

Ans)
Meta tags are the words that are hidden in your code. People browsing your site will just not be able to see them.The search engines still read them for it to have a simple, summarized idea of what your site is about and what exactly your keywords are.

Meta tags are used to give the document description,keywords,author of the document,last modified and etc. It improves the SEO of the web page by using keywords for that web page.

<head>Meta tags are located here</head>

Q7) Explain box model.

Ans)
Every HTML element occupy spave ,hence can be considered to be a box. The CSS box model helps us understand layout and webpage design better.

The CSS box model is a box in another box, in another box, in another box. It consists of the actual content of an element, plus CSS padding, CSS border, and CSS margins.
Margin – transparent space outside the border area.
Border – frame around the content and padding.
Padding – transparent space between the border and the content area.
Content area – the place, where content appears.

Q8) What are the different types of CSS Selectors?

Ans)The CSS selector describes an HTML element that you want to style.
There are dozens of CSS selectors, Some can be classified as-
   • Element selector (<p>, <h1>
   • ID selector(#id)

- Class selector (.class)
- Grouping selector

Q9) Define Doctype.
Ans)
   The <!DOCTYPE> declaration is not an HTML tag; it is an instruction to the web browser about what version of HTML the page is written in.
The <!DOCTYPE> declaration must be the very first thing in your HTML document, before the <html> tag.

HTML5 has only one doctype- <!Doctype HTML>

Q 10) Explain 5 HTML5 semantic tags.

Ans)

Elements with meaning are called semantic elements.Elements like <table>,<form>,<img> clearly inform about their content. They are the HTML5 semantic tags. HTML5 introduced semantic elements. Their constancy helps search engines and developers.

1)<article> is one of the major HTML5 semantic tags. It is used to define the article content on your website. It is usually used for big parts of the text.

2)<aside> semantic element defines the content which will be set to the side. It is occasionally used for creating sidebars but can also be used for less important content sharing.

3)The <footer> element describes the footnote for your website or part of the content.

4)This <header>element defines a header of your webpage. It is always visible for the users and is located on the top of your website.

5)<nav>is one of the main HTML5 semantic tags. It depicts the space for navigation links on your website.

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

Ans)

```html
<html><head>
    <title>
        WEB PAGE
    </title>
    <style>
        html{
            height:100%;
        }
        *{
            padding:0px;
            margin:0px;
        }
li{
    float:left;
    margin-right:30px;
}
```

```css
        .con{
            background-color:#393738;
            padding:0px 20px 0px 20px;
            position: relative;
            height: available;
            overflow-y: visible;
        }
        .head{
            background-color:#323232;
            padding:8px 50px 15px 70px;
            margin-left: 50px;
            margin-right: 25px;
        }
        .section1{
            background-color: white;
            margin-left: 50px;
            margin-right: 50px;
            padding: 25px 110px 30px 100px;
            clear: both;
            content: '';
            display: table;
        }
        .sec1{
            color:gainsboro;
            background-color:#323232;
            text-align: center;
            height:360px;
            width:960px;
            align-items: center;
            justify-content:center;
            display:flex;
        }
            .sec2{
                width:945px;
                background-color:#CBCBCB;
                color:dimgrey;
                margin-top:25px;
                margin-right:0px;
                padding:15px 0px 10px 15px;
            }
        .sec3{
            margin-top:44px;
            font-weight:bolder;
            font-family:SansSerif;
            color:dimgrey;}
.b2{
    background-color:lightgrey;
    border-style:double;
border-top: none;
    margin-left: 1px;
    color:grey;
    align-items: center;
    justify-content:center;
    display:flex;
}
        .b1 {
            color: gainsboro;
            background-color: #323232;
            height: 300px;
            width: 215px;
            align-items: center;
            justify-content: center;
            display: flex;
            margin-top: 30px;
            border-style: double;
            border-bottom: none;
            li:last
        }
        footer{
```

```html
                background-color: #292929;
            margin: 0px 25px 0px 50px;
justify-content:center;
            padding:8px 0px 15px 0px;
            display:flex;
        }
    </style>
</head>
<body>
<div class="con">
    <div class="head">
<h2 style="margin-left:30px;color:gainsboro;">To the New</h2>
<div style="background-color:#222222;margin-left:30px;height:50px;width:960px;margin-
right:50px;margin-top:15px;">
    <ul style="list-style-type:none;color:beige;padding:15px 0px 10px 18px;">
    <li>TEXT LINK</li>
        <li> TEXT LINK</li>
        <li> TEXT LINK</li>
        <li>TEST LINK</li>
        <li>TEXT LINK</li>
    </ul>
</div>
    </div>
<div class="section1">
    <div class="sec1">
    <p class="c1"> 960 *360 px
    </p></div>
<div class="sec2">
<p style="word-spacing:10px;margin:0px 0px 10px 0px;">VBSJ EU JJG GUD GGDD HGI HJHSJJJSH
HIW IHU HD HB JAGDAG D HXAHX BJX HASJ EYU<p> HBHSB  VXVHS  VHWYWUW  YWYYDF TTYRY TRTR
EEEDS GSAG    SGDHGS GYDY</p>
</div>
<div class="sec3">
    LATEST FROM THE GALLERY
</div>
    <hr style="margin-top:10px;opacity: 0.5">
<div style="background-color: white;">
        <ol style="list-style-type: none;">
            <li style="margin-right:20px;">
    <span class="b1">
        215*315 px
    </span>
    <span class="b2">
  IMAGE CAPTION HERE
                        </span>
</li>
            <li style="margin-right:20px;">
                <span class="b1">
                    215*315 px
                </span>
                <span class="b2">
 IMAGE CAPTION HERE
                                        </span>
            </li>
            <li style="margin-right:20px;">
                <span class="b1">
                    215*315 px
                </span>
                <span class="b2">
  IMAGE CAPTION HERE
                </span>
            </li>
            <li style="margin-right:0px;">
                <span class="b1">
                    215*315 px
                </span>
                <span class="b2">
                    IMAGE CAPTION HERE</span>
            </li>
```

```
        </ol>
</div>
</div>
    <footer>
        <ol style="list-style-type: none;">
<li style="float:left;color:white;font-size:small;margin-left:0px;">
    Copyright@ 2009-2017 All Right Reserved -To The New
</li>
        <li style="color:white;font-size:small;clear:right;margin-left: 320px;">
            Web Layout by To The New
        </li>
        </ol>
</footer>
</div>
</body>
</html>
```

Q 12) Create HTML for form.png (check resources, highest weightage for answers)

Ans)

```
<!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>To The New</title>
    <style>
        *{
            margin: 0;
            padding: 0;
        }
        .container{
            background-color: white;
            text-align: center;
        }
        .wrapper{
            margin: 0 50px;
            display: inline-block;
            text-align: left;
        }
        .header{
            width : 960px;
        }
        .logo{
            color: teal;
            padding: 20px 0;
            font-size: 32px;
            font-weight: lighter;
            display: inline-block;
        }
        .nav{
            display: inline-block;
            float: right;
            margin-top: 15px;
            padding: 20px 0;
        }
        .nav li{
            list-style: none;
            display: inline-block;
            color: teal;
            margin-left: 20px;
            font-size: medium;
            font-weight: bold;
```

```css
        }
        .form-wrapper{
            display: flex;
            justify-content: center;
            align-content: center;
            padding-top: 50px;
        }
        .form{
            width: 460px;
        }
        .form-header{
            background-color: #BBC0CA;
            color: whitesmoke;
            padding: 20px;
            border: 5px #BBC0CA solid;
            border-radius: 15px 15px 0 0;
        }
        .form label{
            color: #797979;
        }
        #title, #desc{
            width: 97%;
            border: 2px solid #BBC0CA;
            border-radius: 5px;
            padding: 5px;
        }
        #version{
            border: 2px solid #BBC0CA;
            border-radius: 5px;
            padding: 5px;
        }
        .form-content select{
            width: 100%;
            border: 2px #00C697 solid;
            border-radius: 5px;
            background-color: #00C697;
            color: white;
            padding: 5px;
            font-weight: bolder;
        }
        .form-content{
            border: #BBC0CA 2px solid;
            padding: 10px 20px;
        }
        .form-content div{
            padding: 5px 0;
        }
        .radio div{
            width: 45%;
            display: inline-block;
            color: #797979;
        }
        .upload-btn{
            border: #BBC0CA 2px solid;
            border-radius: 5px;
            position: relative;
            width: 100%;
            color: darkgrey;
            display: inline-block;
            background-color: white;
        }
        .upload-btn div{
            border: #BBC0CA 3px solid;
            border-radius: 0 5px 5px 0;
            position: absolute;
            display: inline-block;
            background-color: #BBC0CA;
            top :0;
            right: 0;
```

```
            }
        #attachments{
            visibility: hidden;
        }
        .form-footer{
            background-color: #ECEEF1;
            color: whitesmoke;
            padding: 20px;
            border: 2px #BBC0CA solid;
            border-top: 0;
            border-radius: 0 0 15px 15px;
        }
        .form-footer input{
            background-color: #00C697;
            color: white;
            font-size: 18px;
            font-weight: bolder;
            border: #00C697 2px solid;
            border-radius: 5px;
            padding: 5px;
        }
        .form-footer div{
            display: flex;
            justify-content: flex-end;
        }
    </style>
</head>
<body>
<div class="container">
    <div class="wrapper">
        <div class="header">
            <div class="logo">TO THE NEW</div>
            <div class="nav">
                <ul class="nav-list">
                    <li>Home</li>
                    <li>Quick Help</li>
                </ul>
            </div>
            <hr>
        </div>
        <div class="form-wrapper">
            <form action="" enctype="multipart/form-data" class="form">
                <div class="form-header">
                    <h2>Bug Report</h2>
                </div>
                <div class="form-content">
                    <div>
                        <label for="title">Title:*</label><br>
                        <input type="text" id="title">
                    </div>
                    <div>
                        <label for="desc">Description:*</label><br>
                        <textarea rows="4"  id="desc"></textarea>
                    </div>
                    <div>
                        <label for="os">Operating System:</label><br><br>
                        <select id="os">
                            <option value="Windows 10">Windows 10</option>
                            <option value="Windows XP">Windows XP</option>
                            <option value="Windows 7">Windows 7</option>
                        </select>
                    </div>
                    <div>
                        <label for="product">Product:*</label><br><br>
                        <select id="product">
                            <option value="formoid">Formoid</option>
                            <option value="other">Others</option>
                        </select>
                    </div>
                </div>
```

```html
            <div>
                <label for="version">Version:*</label><br>
                <input type="text" id="version">
            </div>
            <div>
                <label>License:</label>
                <div class="radio">
                    <div><input type="radio" name="license" >Free</div>
                    <div><input type="radio" name="license" >Business</div>
                </div>
            </div>
            <div>
                <label for="severity">Severity:</label><br>
                <select id="severity">
                    <option value="critical">Critical</option>
                    <option value="high">High</option>
                    <option value="medium">Medium</option>
                    <option value="low">Low</option>
                </select>
            </div>
            <div>
                <label for="attachments">Attachments:</label><br>
                <div class="upload-btn">
                    No file chosen
                    <input type="file" id="attachments"><div style="overflow-
y: inherit;">Choose Files</div></div>
            </div>
        </div>
        <div class="form-footer">
            <div><input type="submit" value="Send"></div>
        </div>
    </form>
    </div>
    </div>
</div>
</body>
</html>
```