

Exercise for Introduction to HTML/CSS

1. How are inline and block elements different from each other?

Ans: Block elements starts from the new line and stretches to the full width of the page.

Ex- <div> , <h1> tag

Inline elements doesnot start from the new line and doesnot break the current line and only takes the width it needed.

Ex - , <a>, tag

Block elements can have the margin and padding while inline elements ignore these Properties except that it gives the left and right margins.

2. Explain the difference between visibility:hidden and display:none

Ans: visibility:hidden is used to hide a particular element while display:none removes the element from the document.

In visibility:hidden, the hidden element takes it required space it needed because it is only Made invisible while in display:none , the code in the html but it doesnot takes any space.

Display:none is used generally while testing the site.

3. Explain the clear and float properties.

Ans: The clear property is used to determine the elements the floats beside the element on which clear is applied and on which side and none is by default.

The clear property have following values:

none - It allows elements to float on both sides.

left - No floating elements are allowed on the left side.

right- No floating elements are allowed on the right side.

The float property is used to position the content in the container and none is default.

The float property have following values:

left - By applying this,the element floats to the left of the container.

right- By applying right, the element floats to the right of the container.

none - It is by default and in this content remains at its same position.

4. Explain difference between absolute, relative, fixed and static.

Ans: absolute: When an element is positioned absolute, it is used to define the position according to its nearest ancestor.

Relative: An element when positioned relative; it is used to change its position from its normal position.

Fixed: An element when positioned fixed; it is used to fix the position of the block and it stays at the same place even when the page is scrolled. The top, right, bottom, and left properties are used to position the element.

Static: An element when positioned static, it is not positioned anywhere, it is always there by default.

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 lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Form 1</title>
  <link href="form.css" rel="stylesheet"/>
</head>
<body>
  <style>
    table{
      border-width:4px;
      border-style:solid;
      padding-top: 12px;
      padding-bottom: 12px;
      padding-left: 5px;
```

```

        width:100%;
        background-color: aqua;
        border-collapse: collapse;

    }
    tr{
        border-width:2px;
        border-style:solid;

    }
    td{
        border-width:2px;
        border-style:solid;
        align: center;
    }
    th{
        border-width:2px;
        border-style:solid;

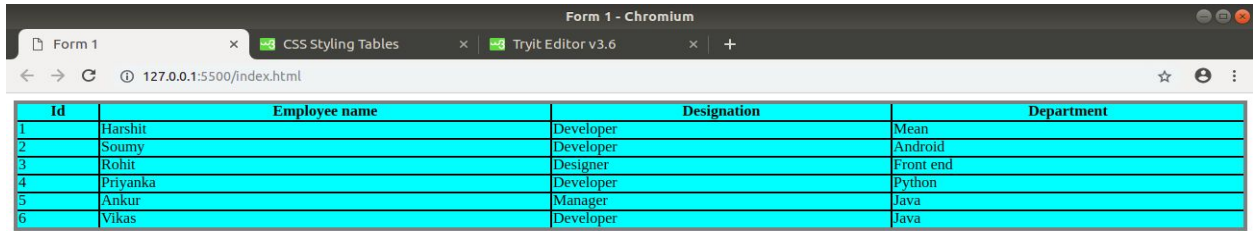
    }
</style>
<table >
    <tr>
        <th>Id</th>
        <th>Employee name</th>
        <th>Designation</th>
        <th>Department</th>
    </tr>
    <tr>
        <td>1</td>
        <td>Harshit</td>
        <td>Developer</td>
        <td>Mean</td>
    </tr>
    <tr>

```

```
        <td>2</td>
        <td>Soumy</td>
        <td>Developer</td>
        <td>Android</td>
    </tr>
    <tr>
        <td>3</td>
        <td>Rohit</td>
        <td>Designer</td>
        <td>Front end</td>
    </tr>
    <tr>
        <td>4</td>
        <td>Priyanka</td>
        <td>Developer</td>
        <td>Python</td>
    </tr>
    <tr>
        <td>5</td>
        <td>Ankur</td>
        <td>Manager</td>
        <td>Java</td>
    </tr>
    <tr>
        <td>6</td>
        <td>Vikas</td>
        <td>Developer</td>
        <td>Java</td>
    </tr>
</table>
```

```
</body>
```

```
</html>
```



Id	Employee name	Designation	Department
1	Harshit	Developer	Mean
2	Soumy	Developer	Android
3	Rohit	Designer	Front end
4	Priyanka	Developer	Python
5	Ankur	Manager	Java
6	Vikas	Developer	Java

6. Why do we use meta tags?

Ans: The <meta> tag is used to give the information about the HTML document but it is not displayed on the webpage.

Meta elements are used to give page description, keywords, its author , last modified etc.

7. Explain box model.

Ans: Box model is used in CSS to include all the elements of HTML. It consists of margin, border, padding and content.

Content :- Content is used to display text, images etc.

Margin :- Margin is used to add margin between border and outside container.

Padding :- padding is also used to provide space between content and the border. It is also called inside margin.

Border :- Border is used to add border on the content.

8. What are the different types of CSS Selectors?

Ans: There are various types of CSS selectors:

- (a) Element selector: It select the elements based on the element name.
- (b) Id selector: The id selector uses the id of the element to select it . To select an element with a specific id, we need to write a hash # , followed by the id of the element.
- (c) Class selector: The class selector selects elements with a specific class attribute. To select elements with a specific class, we need to write a dot . , followed by the name of the class.

9. Define Doctype.

Ans: The <!DOCTYPE> declaration is not an HTML tag, it tells the web browser about the version of HTML in which the page is written.

The <!DOCTYPE> declaration is the first thing we write in the HTML document, before the <html> tag.

10. Explain 5 HTML5 semantic tags.

Ans: There are various semantic tags:

- (a) article tag: It defines an article.
- (b) section tag: It defines a section in a document.
- (c) header tag: It specifies a header for a document or section.
- (d) footer tag : It defines a footer for a document or section.
- (e) aside tag: It defines content aside from the page content.

11. Create HTML for web-page.jpg.

Ans:

Web.html

```
<!DOCTYPE html >

<html>

< head >

< title > webpage|layout </title >

< link href = "web.css" rel = "stylesheet" >

</head >

< body >

< div id = "main" >

< header >

< div id = "container" >

< h1 > TO The New </h1>

< ul style = "padding-left: 5px;" >

< li > Text Link </li >

< li > Text Link </li >

< li > Text Link </li >

< li > Text Link </li >

</ul >

</div >

< li > Text Link </ li ><!--container-->

</header >

< div id = "main_con" >

< div id = "black" >

< p > 960 x 360 px </p >

</div>
```

```
<!--black-->
```

```
< div id = "l_grey" >
```

```
< p > We are a digital technology company providing end-to-end product development  
services. We leverage the power of experience design, cutting-edge engineering, and cloud to  
build disruptive web and mobile apps enabling digital transformation for businesses.
```

```
</p >
```

```
</ div >
```

```
<!--l_grey-->
```

```
< div id = "bottom" >
```

```
< h2 > Latest from the gallery </h2>
```

```
< div class = "b_block" >
```

```
< section >
```

```
</section >
```

```
< p > Image Caption Here </p >
```

```
</div>
```

```
<!--block-->
```

```
< div class = "b_block" >
```

```
< section >
```

```
</section >
```

```
< p > Image Caption Here </p >
```

```
</div >
```

```
<!--block-->
```

```
< div class = "b_block" >< section >
```

```
</section>
```

```
</div >
```

```
< p > Image Caption Here </p >
```



```

<!--block-->

< div class = "b_block" >

< section >

</section >

</div >

< p > Image Caption Here </ p >

<!--block-->

</div>

<footer >

< section id = "f_con" >

Reserved-To the New </p >

< p > Copyright &copy; 2009-2017-All Rights

< span >

</section >

</footer >

</div >

<!--main_con-->

</div >

<!--main-->

</body >

</html>

```

Web.css

```

body {

background-color : #3b3b3b ;

```

```
}  
  
#main header {  
width : 90% ;  
height : 140px ;  
background-color : #353535 ;  
margin : auto ;  
margin-top : -17px ;}  
  
#main header #container {  
width : 960px ;  
margin : auto ;  
}  
  
#main header #container h1 {  
font-family : 'Times New Roman' , Times , serif ;  
font-size : 16px ;  
color : #fff ;  
padding : 25px 0px 10px  
font-size : 25px ;  
}  
  
#main header #container ul {  
  
background-color : #000 ;  
}  
  
#main header #container ul li {  
display : inline-block ;  
padding : 12px 10px 10px 13px ;
```

color : #fff ;

}

#main #main_con {

width : 90% ;

margin : auto ;

background-color : #fff ;

position : relative ;

top : -35px ;}

#main #main_con #black {

width : 960px ;

height : 360px ;

background-color : #000 ;

margin : auto ;}

#main #main_con #black p {

color : #fff ;font-size : 35px ;

text-align : center ;

position : relative ;

top : 180px ;}

#main #main_con #l_grey {

width : 960px ;

margin : auto ;

background-color : #ccc ;}

```
#main #main_con #l_grey p {
```

```
padding : 13px ;
```

```
font-family : calibri;
```

```
font-size : 15px ;
```

```
color : #333}
```

```
#main #main_con #bottom {
```

```
width : 960px ;
```

```
margin : auto ;}
```

```
#main #main_con #bottom h2 {
```

```
font-family : Arial , Helvetica , sans-serif ;
```

```
font-size : 15px ;
```

```
color : #333 ;
```

```
border-bottom : thin solid #666 ;}
```

```
#main #main_con #bottom .b_block {
```

```
width : 215px ;
```

```
height : 315px ;
```

```
background-color : #ccc ;
```

```
border : thin solid #ccc ;
```

```
float : left ;
```

```
margin : 8px ;}
```

```
#main #main_con #bottom .b_block section {
```

```
width : 100% ;  
height : 290px ;  
background-color : #333 ;}  
#main #main_con #bottom .b_block p {  
text-align : center ;  
font-family : arial ;  
font-size : 13px ;
```

```
margin-top : 7px ;}  
#main #main_con footer {  
width : 100% ;  
height : 60px ;  
background-color : #000 ;
```

```
clear : both ;}  
#main #main_con footer #f_con {  
width : 960px ;  
height : auto ;  
  
margin : auto ;}  
#main #main_con footer #f_con p {  
float : left ;  
font-size : 13px ;  
padding : 10px ;
```

```

color : #ccc ;}

#main #main_con footer #f_con span {

float : right ;

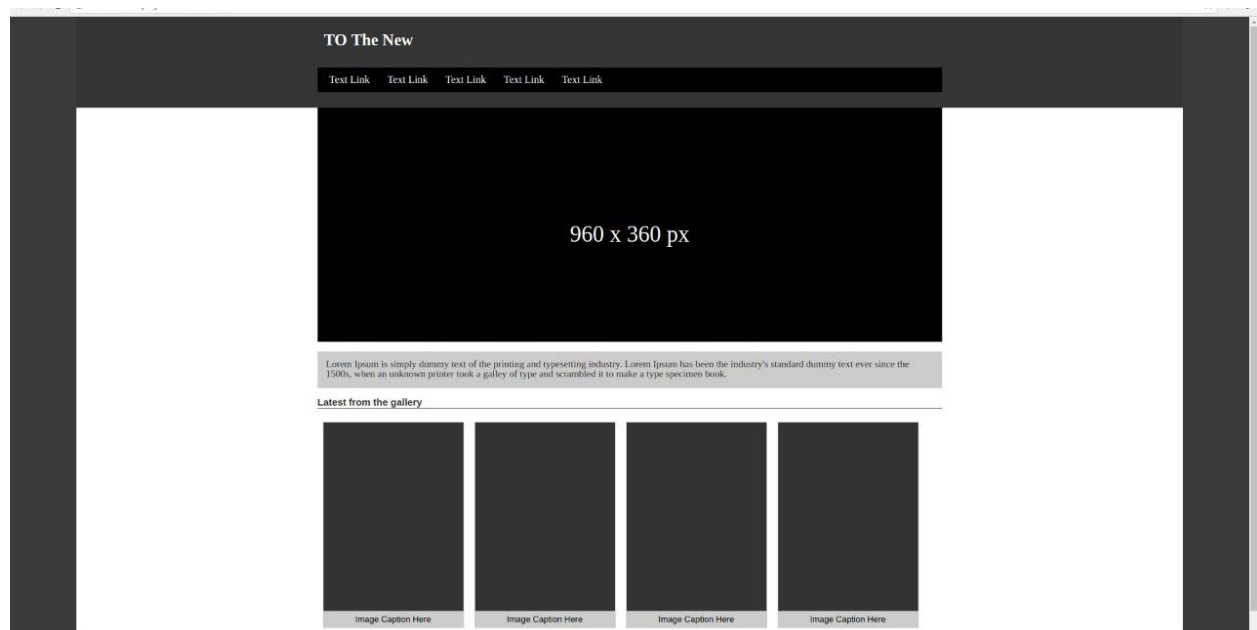
margin-top : 25px ;

font-size : 13px ;

color : #ccc ;

}

```



12. Create HTML for form.png.

Ans:

Index.html

```

<!DOCTYPE html>

<html lang="en">

```

```
<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <meta http-equiv="X-UA-Compatible" content="ie=edge">

    <title>Form 1</title>

    <link href="main.css" rel="stylesheet"/>

</head>

<body>

    <span id ="ttn">

        TO THE NEW

    </span>

    <span id="home">

        Home

    </span>

    <span id="help">

        Quick Help

    </span><hr>

    <div class="container">

        <h2>Bug Report</h2>

        <form class="container-form" id="myform">

            <label class="label" for="title">Title:*</label>

            <input type="text" id ="title" required>
```

```
<label class="label" for="desc">Description:*</label>

<textarea id="desc"></textarea>

<label class="label" for="os">Operating System:</label>

<select id="id1">

    <option>Windows XP</option>

    <option>Linux</option>

</select>

<label class="label" for="product">Product:*</label>

<select id="id1">

<option>Formoid</option>

<option>Product2</option>

</select>

<label class="label" for="version">Version:*</label>

<input type="text" id="version" required>

<label class="label" for="license">License:</label>

<input type="radio" id="free">Free

<input type="radio" id="business">Business

<label class="label" for="severity">Severity:</label>

<select id="id1">

    <option >Critcal</option>

    <option>Not critical</option>

</select>
```



```
<label class="label" for="attach">Attachments:</label>

<input type="file" id="attach" value="Choose File">

<br>

</form>

<input type="submit" value="Send" form="myform">


</div>


</body>

</html>
```

Main.css

```
#ttn{

    color: rgb(140, 191, 223);

    margin-left: 0.5cm

}

#home{
```

```
        margin-left: 25cm

    }

    #help{

        margin-left: 0.5cm

    }

    h2{

        background-color: gray;

        padding-left: 0.5cm;

        padding-bottom: 0.5cm;

        padding-right: 0.5cm;

        padding-top: 0.5cm;

        margin:0;

        color: white;

    }

    div{

        border:thin;

    }

    .container{
```

```
background-color: lightgray;

border-width: 1px;

border-style: solid;

border-color: #bbc4cd;

max-width: 15cm;

margin: auto;

padding:0;

}

.container-form{

background-color: white;

max-width: 15cm;

margin: auto;

padding: 1% 2%;

}

.label{

padding-left: 0.2cm;

padding-top: 0.3cm;

display: block;
```

```
}  
  
#desc{  
  
    border-width: 1px;  
  
    border-style: solid;  
  
    border-color: #bbc4cd;  
  
    padding-left: 0.1cm;  
  
    padding-bottom: 0.1cm;  
  
    padding-right:0.1cm;  
  
    padding-top: 0.1cm;  
  
    margin-left: 0.2cm;  
  
    display: block;  
  
    width: 95%  
  
}
```

```
#title{  
  
    border-width: 1px ;  
  
    border-style:solid;  
  
    border-color: #bbc4cd;  
  
    padding-left: 0.1cm;  
  
    padding-bottom: 0.1cm;  
  
    padding-right:0.1cm;  
  
    padding-top: 0.1cm;  
  
    width: 95%;
```

```
margin-left: 0.2cm;

}

#idl{

border-width: 1px ;

border-style:solid;

border-color: #bbc4cd;

background-color: #24b99b;

padding-left: 0.1cm;

padding-bottom: 0.1cm;

padding-right:0.1cm;

padding-top: 0.1cm;

width: 95%;

margin-left: 0.2cm;

}

#version{

border-width: 1px;

border-style:solid;

border-color: #bbc4cd;

padding-left: 0.1cm;

padding-bottom: 0.1cm;

padding-right:0.1cm;

padding-top: 0.1cm;
```

```
margin-left: 0.2cm;

width: 30%

}

#free{

padding-left:0cm;

padding-bottom: 0cm;

margin-left: 0.2cm;

}

#business

{

margin-left: 6cm

}


#submit{

margin-left: 0cm;

}

input[type="file"]{

padding:0%;

margin-left: 0.2cm;

width:100%;

}
```

```
input[type="submit"]{  
  
    background-color: #24b99b;  
  
    margin-left: 13.5cm;  
  
    margin-top: 0.5cm;  
  
    margin-bottom:0.5cm;  
  
    padding: 0.5%;  
  
}
```

Form 1 - Chromium

Form 1

127.0.0.1:5500

Home Quick Help

TO THE NEW

Bug Report

Title:*

Description:*

Operating System:
Windows XP

Product:*

Formoid

Version:*

License:
☐ Free ☐ Business

Severity:
Critical

Attachments:
Choose file No file chosen

Send

