

HTML CSS Exercise

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

Solution:

Block Elements

A block-level element always starts on a new line and takes up the full width available (stretches out to the left and right as far as it can).

Example: <p>, <div>, <form>, <header>, <nav>, , , <h1>...<h6>

Inline Elements

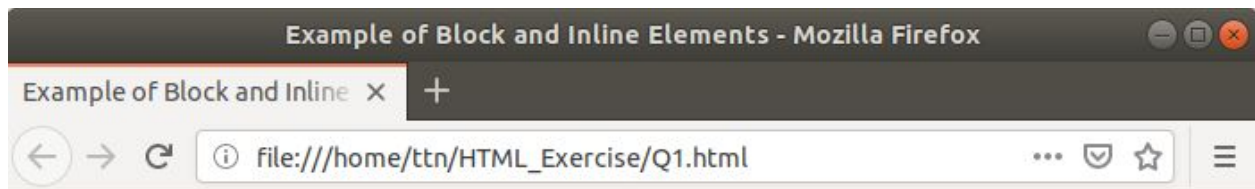
An inline element does not start on a new line and only takes up as much width as necessary.

Example: <a>, , , , <i>, <cite>, <mark>, <code>

HTML Source

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Example of Block and Inline Elements</title>
5 </head>
6 <body>
7 <h1 style="color:cyan">This is an example of <div style="color: Tomato">Block</div> element.</h1>
8 <h1 style="color:Tomato">This is an example of <span style="display: inline; color: cyan">Inline</span> element.</h1>
9 </body>
10 </html>
```

HTML Page



This is an example of
Block
element.

This is an example of **Inline** element.

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

Solution:

Visibility: hidden

The element will be hidden but it takes width and height of element as specified.

HTML Source:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>visibility: hidden Example</title>
5 </head>
6 <body>
7
8 <h2>Some text is written below this line.</h2>
9 <h2 style="visibility: hidden">hidden text</h2>
10 <h2>Some text is hidden above this line using visibility:hidden.</h2>
11
12 </body>
13 </html>
```

HTML Page:



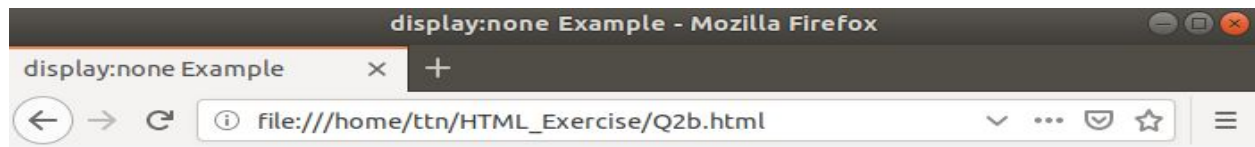
Display: block

The element will be hidden as well as it will not affect the layout. Means it will not take any space(height and width) as specified.

HTML Source:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>display:none Example</title>
5 </head>
6 <body>
7
8 <h2>Some text is written below this line.</h2>
9 <h2 style="display:none">hidden text</h2>
10 <h2>Some text is hidden above this line using display:none.</h2>
11
12 </body>
13 </html>
```

HTML Page:



Some text is written below this line.

Some text is hidden above this line using display:none.

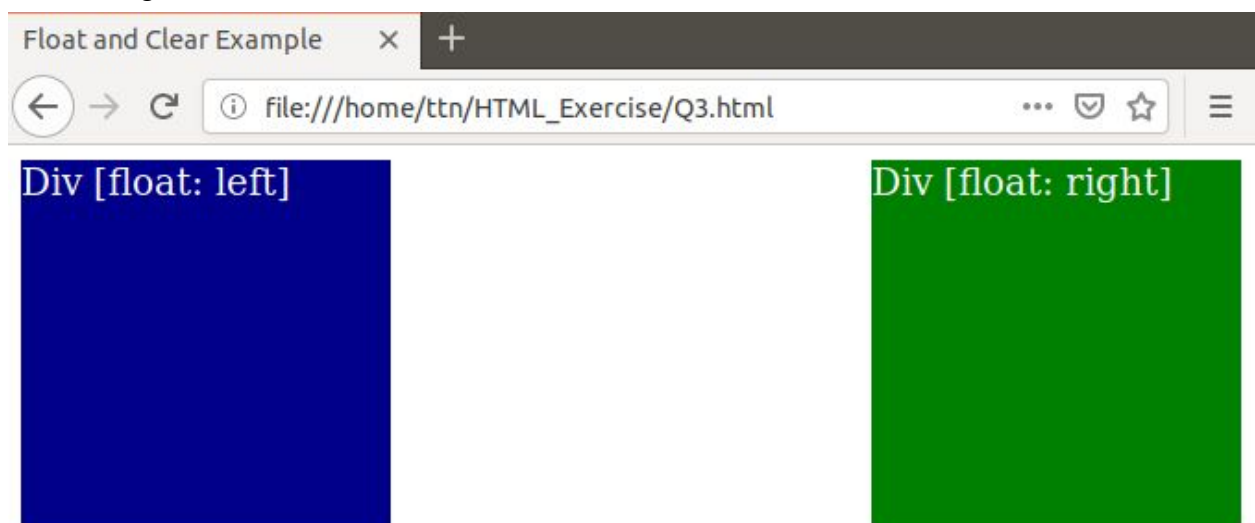
Q3. Explain the clear and float properties.

Solution:

Float: The float property is used for positioning and formatting content. It is useful when we want to align something on either side of browser along with the other contents. It is very useful in designing menus and writing contents along with images.

Major type of float: left, right, no-float.

HTML Page:



Clear: The clear property specifies on which sides of an element floating elements are not allowed to float.

HTML Page:



Q4. Explain difference between absolute, relative, fixed and static.

Solution:

absolute: This is a very powerful type of positioning that allows you to literally place any page element exactly where you want it. We can use the positioning attributes top, left, bottom, and right to set the location. Remember that these values will be relative to the next parent element with relative (or absolute) positioning.

relative: An element with position: relative; is positioned relative to its normal position. Setting the top, right, bottom, and left properties of a relatively-positioned element will cause it to be adjusted away from its normal position.

fixed: A fixed position element is positioned relative to the *viewport*, or the browser window itself. The viewport doesn't change when the window is scrolled, so a fixed positioned element will stay right where it is when the page is scrolled.

static: This is the default for every single page element. Different elements don't have different default values for positioning, they all start out as static. Static positioned elements are not affected by the top, bottom, left, and right properties.

Q5. 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.

Solution:

HTML Source:

```
<!DOCTYPE html>
<html>
<head>
<title>Employee Information</title>
<style>
* {
    font-size: 16px;
}
body {
    text-align: center;
}
#head {
    color: darkBlue;
    font-size: 22px;
    margin-bottom: 10px;
}
table {
    width: 50%;
    margin: 0px auto;
    border: 1px solid Tomato;
}
th {
    background-color: slateBlue;
    color: white;
}
td {
    color: darkBlue;
    padding: 5px 5px 5px 5px;
    border: 1px dashed;
}
</style>
</head>
<body>
<div id="head">Employees Information</div>
<table>
```

```

<tr>
  <th>ID</th>
  <th>Employee Name</th>
  <th>Designation</th>
  <th>Department</th>
</tr>
<tr>
  <td>1</td>
  <td>Shubham K</td>
  <td>SE</td>
  <td>AMC</td>
</tr>
<tr>
  <td>2</td>
  <td>Vivek D</td>
  <td>SE</td>
  <td>Java</td>
</tr>
<tr>
  <td>3</td>
  <td>Sanjay R</td>
  <td>SSE</td>
  <td>Java</td>
</tr>
<tr>
  <td>4</td>
  <td>Rajat M</td>
  <td>SAE</td>
  <td>MEEN</td>
</tr>
<tr>
  <td>5</td>
  <td>Varnit G</td>
  <td>SE</td>
  <td>MEEN</td>
</tr>
<tr>
  <td>6</td>
  <td>Sunil P</td>
  <td>TL</td>
  <td>AWS</td>
</tr>
</table>

</body>
</html>

```

HTML Page:

Employee Information - Mozilla Firefox

Employee Information

file:///home/ttn/HTML_Exercise/Q5.html

ID	Employee Name	Designation	Department
1	Shubham K	SE	AMC
2	Vivek D	SE	Java
3	Sanjay R	SSE	Java
4	Rajat M	SAE	MEEN
5	Varnit G	SE	MEEN
6	Sunil P	TL	AWS

Q6. Why do we use meta tags?

Solution:

Meta elements are typically used to specify page description, keywords, author of the document, last modified, and other metadata. Also, it helps to improve the SEO(Search Engine Optimization) of a web page by using certain keywords related to the web page. Following are few examples of <meta> tag with different attributes :

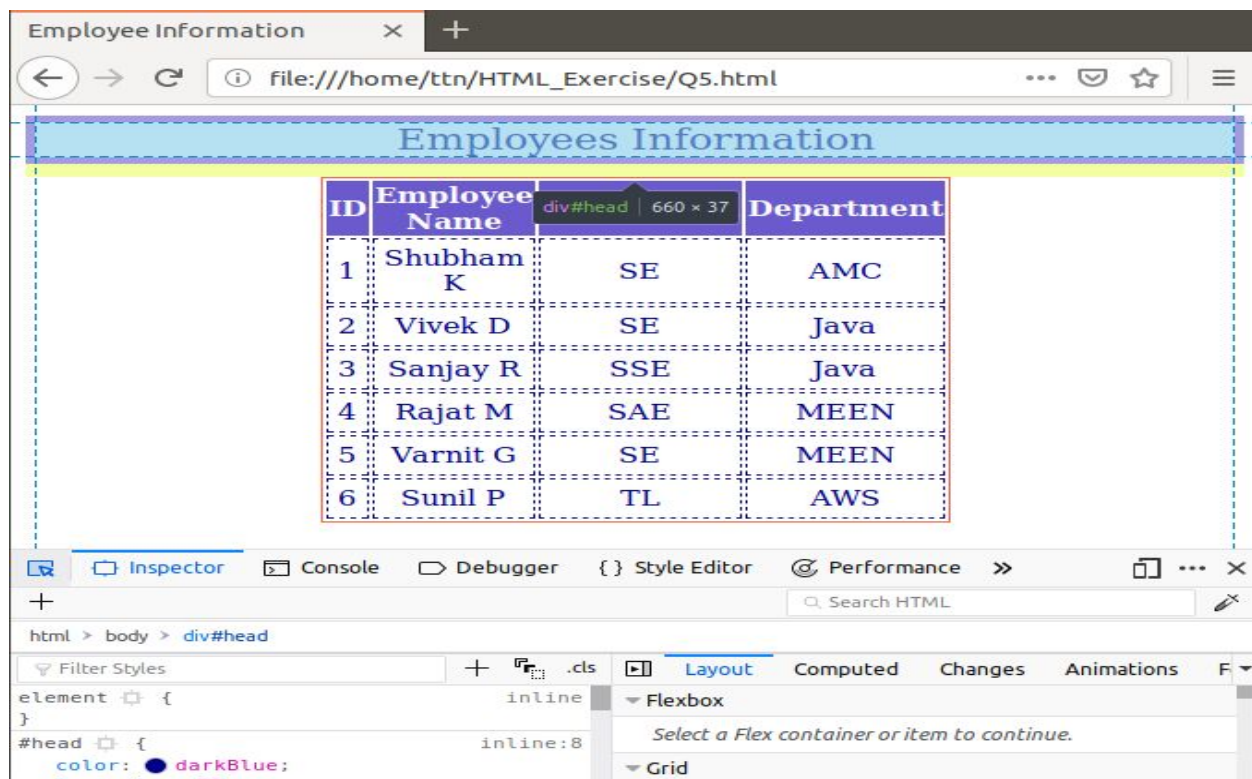
1. <meta name="keywords" content="HTML, CSS, XML, XHTML, JavaScript">
(For Search engines)
2. <meta name="description" content="Free Web tutorials on HTML and CSS"> (Description of web page)
3. <meta name="author" content="John Doe"> (Author of web page)
4. <meta name="viewport" content="width=device-width, initial-scale=1.0">
(Responsiveness)

Q7. Explain box model.

Solution:

All HTML elements can be considered as boxes. In CSS, the term "box model" is used when talking about design and layout. The CSS box model is essentially a box that wraps around every HTML element. It consists of: margins, borders, padding, and the actual content.

Example:



Q8. What are the different types of CSS Selectors?

Solution:

1. **.class Selector:** (dot) . is used to select class names defined as attribute for any element.

Example:

HTML:

```
<p class="head"></p>
```

CSS:

```
.head {  
    text-align: center;  
}
```

2. **#id Selector:** (#) hash is used to select html elements by ids.

Example:

HTML:

```
<p id="empID"></p>
```

CSS:

```
#empID {  
    text-align: center;  
}
```

3. *** Selector:** It is used to select all the elements of html file. It means the css rule will be applied for all elements.

Example:

CSS:

```
* {  
    Font-size: 15px;  
}
```

4. **Element Selector:** It is used to select element by its tag name.

Example:

CSS:

```
body{  
    font-size: 15px;  
}  
p {  
    font-size: 20px;  
}
```



```

/* Multiple element selection */
h1, h2, h3 {
    font-size: 20p;
}
/* Selection of child element*/
div span {
    Color: Tomato;
}

```

Q9. Define Doctype.

Solution:

The <!DOCTYPE> declaration an instruction to the web browser about what version of HTML the page is written in.

Example:

<!DOCTYPE html>

Sample HTML File Source:

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>HTML Exercise</title>
5 </head>
6 <body>
7 <h1>HTML Excerise</h1>
8 </body>
9 </html>
10

```

Q10. Explain 5 HTML5 semantic tags.

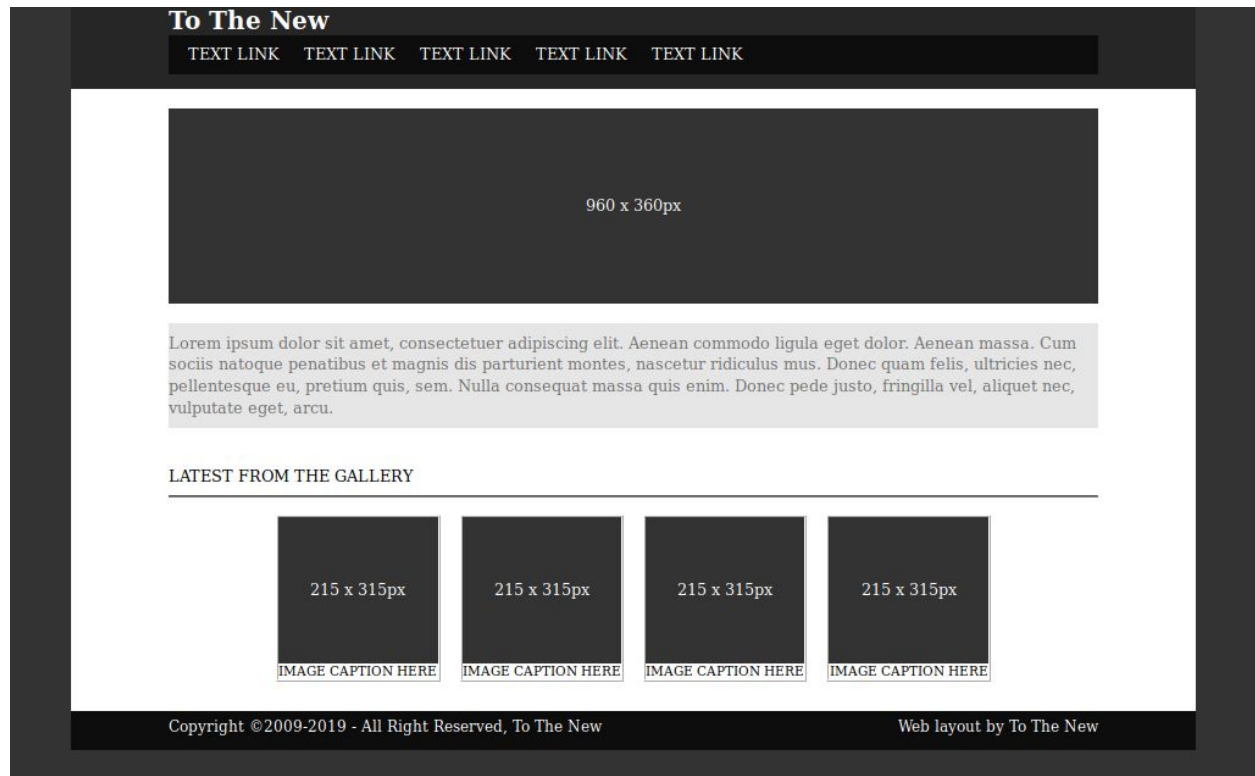
Solution:

1. **<header>**: It is basically used to define a header for the document or a section
2. **<footer>**: It is basically used to defines a footer for the document or a section
3. **<article>**: It is basically used to defines an article in the document
4. **<aside>**: It is basically used to defines content aside from the page content like sidebar.
5. **<nav>**: It is basically used to defines navigation links in the document

Q11. Create HTML for web-page.jpg (check resources, highest weightage for answers).

Solution:

Webpage Snapshot:



Source Code:

https://github.com/ShubhamKumarSA/ttn_assign.git (Q11.html)

Q12. Create HTML for form.png (check resources, highest weightage for answers).

Solution:

TO THE NEW

Home Quick Help

Bug Report

Title:*

Description:*

Operating System:

Windows XP

Product:*

Formoid

Version:*

License:

☒ Free ☐ Business

Severity:*

Critical

Attachments:

No file selected

Choose File

Send

Webpage Snapshot:

Source Code:

https://github.com/ShubhamKumarSA/ttn_assign.git (Q12.html)