**Q.1** <!DOCTYPE html> is it a tag of html? If not, what is it and why do we use it?

Sol-><!doctype html> is not a tab .It gives information to the browser about what type of content it will get.

**Q.2** Explain Semantic tags in html? And why do we need it?

Sol->Semantic tag are those tags which gives information about the content to the developer and browser.

Ex- <form>,<table> , <article>

**Q.3** Differentiate between HTML Tags and Elements?

Sol->Tag starts with <> brackets ,it has a stating tag and an ending tag. It is the starting of every HTML element .Ex- <h1></h1>.

Tag having content in between is know as element .Ex <h1>hii</h1> .

**Q.5** Write HTML code so that it looks like the below image

Sol-><!DOCTYPE html>

<html>

<head></head>

<body>

<img src="https://images.unsplash.com/photo-1575936123452-b67c3203c357?ixlib=rb-4.0.3&ixid=M3wxMjA3fDB8MHxzZWFyY2h8Mnx8aW1hZ2V8ZW58MHx8MHx8fDA%3D&w=1000&q=80" width="85%" alt="image not found" />

<br>

<br>

<div>

We will be learning the following things this week

</div>

<br>

<div>

<Strong>day1 &nbsp day2 &nbsp day3 &nbsp day4</Strong>

<div>linux1 &nbsp HTML &nbsp linux2 &nbsp linux3</div>

<div>Git1 &nbsp Bootstrap &nbsp Git2 &nbsp Bootstrap</div>

</div>

<br>

<div>

If you want to contact me please fill in the form:

<br>

<br>

<table>

<tr>

<td>Name: &nbsp</td>

<td><input></td>

</tr>

<tr>

<td>phone no: &nbsp</td>

<td><input></td>

</tr>

<tr>

<td>Email id: &nbsp</td>

<td><input></td>

</tr>

</table>

</div>

<br>

<div><strong>The following things are important to be a programmer</strong>

<ul>

<li>A problem solving mindset</li>

<li>consistency</li>

<ul>

<li>Clean code</li>

<li>Thorough knowledge of core concept</li>

<li>Readable code</li>

</ul>

<li>Speed</li>

</ul>

</div>

</body>

</html>

**Q.6** What are some of the advantages of HTML5 over its previous versions?

Sol->(i)->It support audio and video controls with the use of <audio> and <video> tags.

(ii)-> It uses Sql database and application cache to store offline data.

(iii)->It allows javascript to run in background .This is possible due to JS web worker API in HTML5.

(iv)->It allow drag and drop feature.

(v)->It supports by all new web browsers.

(vi)->It can handle inaccurate syntax.

**Q.7** Create a simple Music player using html only

Sol-><html>

<head>

<title>music player</title>

</head>

<body>

<audio controls>

<source src="https://www.computerhope.com/jargon/m/example.mp3" />

</audio>

</body>

</html>

**Q.8** What is the difference between <figure> tag and <img> tag?

Sol-> figure tag is used to semantically organize the content of image ,videos,audios or even charts and table ,block of code in the html document .

The image tag is use to add the image to the html page it can only insert image.

**Q.9** What’s the difference between html tag and attribute and give example of some global attributes?

Sol->tag are used to hold html element .It generally has a starting and a closing syntax .it is used to hold the content .

Attributes gives us details about the element .It describes the element its properties .

Some global attributes are-id,class,title ,style.

**Q.10** Write Html code so that it looks like the below image

Sol-><html>

<head>

<style>

table,

td {

border: 1px solid black;

text-align:center;

}

</style>

</head>

<body>

<table>

<tr>

<td rowspan="3"><strong>Day</strong></td>

<td colspan="3"><strong>Seminar</strong></td>

</tr>

<tr>

<td colspan="2"><strong>Schedule</strong></td>

<td rowspan="2"><strong>Topic</strong></td>

</tr>

<tr>

<td><strong>Begin</strong></td>

<td><strong>End</strong></td>

</tr>

<tr>

<td rowspan="2">Monday</td>

<td rowspan="2">8:00 p.m</td>

<td rowspan="2">5:00 p.m</td>

<td>Introduction to XML</td>

</tr>

<tr>

<td>Validity DtD and Relad NG</td>

</tr>

<tr>

<td rowspan="3">Tuesday</td>

<td>8:00 a.m</td>

<td>11:00 a.m</td>

<td rowspan="2">XPath</td>

</tr>

<tr>

<td>11:00 a.m</td>

<td>2:00 p.m</td>

</tr>

<tr>

<td>2:00 p.m</td>

<td>5 :00 p.m</td>

<td>XLS Transformations</td>

</tr>

<tr>

<td>Wednesday</td>

<td>8:00 p.m</td>

<td>12 :00 p.m</td>

<td>XLS Formatting objects</td>

</tr>

</table>

</body>

</html>