**HTML:**

**HTML5 controls:**

SVG: Scalable Vector Graphics.

SVG is used to define graphics for web.

Canvas elements is used to draw the graphics on fly via JS.

Canvas is just container for graphics but we must use JS to draw graphics.

Video element specifies a standard way to embed a video in webpage.

Semantic element gives its exact meaning to both browser and developer.

Examples of semantic elements:

<Header> <footer> <aside> <section> <article> <nav> <fig> <figcaption> <main> <details> <mark>

**<!DOCTYPE HTML>** version of html page is written

**HTML FORMS –**

different types of input elements like text fields, checkboxes, radio buttons, submit buttons etc.

Example:

<form action="action\_page.php">

<input type="text" value="Mickey">

<input type="submit" value="Submit">

“radio”

</form>

Inline elements don’t start in a new line. These elements take required width.

**HTML NESTED LIST**

Lists inside lists

<ul>

<li>Coffee</li>

<li>Tea>

<ul>

<li>Black tea</li>

<li>Green tea</li>

</ul>

</li>

<li>Milk</li>

</ul>

**HTML <table> --** <tr> row, <td> data/cell, <th>header

<!DOCTYPE html>

<html>

<head>

<style>

table, th, td {

border: 1px solid black;

border-collapse: collapse;

padding: 5px;

text-align: left;

}

</style>

</head>

<body>

<table style="width:100%">

<tr>

<th>First Name</th>

<th>Last Name</th>

<th>Points</th>

</tr>

</table>

</body>

</html>

<Article> tag contains independent self-contained content.

<section> tag defines sections in a document such as chapters, headers,footers,or any other sections of a document.

**HTML STORAGE API** –

With local storage, web applications can store data locally within the user's browser.

The sessionStorage object stores the data for only one session. The data is deleted when the user closes the specific browser tab.

With local storage, web applications store data locally within users’ browser. Before HTML5 data had to be store in cookies local storage is very secure and larger amount of data can be store locally without effecting the website performance.

Local storage provided two objects for storing data on client.

Window.localstorage: Stores data with no expiration date.

Window.sessionstorage: stores data for only one session.

**<!DOCTYPE HTML>** version of html page is written

**CODE FOR BLOCK ELEMENTS:**

<!DOCTYPE html>

<html>

<body>

<h1>My <span style="color:red">Important</span> Heading</h1>

<div style="background-color:black;color:white;padding:20px;">

<h2>India</h2>

<p>I love India. Its is my home land</p>

<p>India is the cradle of human race, the birth place of human speech, the mother of history, grand mother of tradition </p>

</div>

</body>

</html>

**HTML <iframe>** - a webpage within a web page

<iframe src="http://www.w3schools.com"></iframe>

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<tr>

<th>First Name</th>

<th>Last Name</th>

<th>Points</th>

</tr>

</table>

</body>

</html>

**Block elements:** Block elements always start in a new line and take up the full width available.

Example: <div>

<h1>……<h6>

<form>