# HTML5

New Features –

Drawing graphics

* <canvas></canvas>

Media content

* <audio></audio>
* <video></video>

Better page structure

* <section>
* <article>
* <aside>
* <nav>
* <header>, <footer>
* <blockquote>
* <q>
* <pre> - preserves white spaces
* Displaying visual content: photos, diagrams <figure>
* Text emphasizing tags: <b>,<strong>,<em>,<i>
* Text formatting tags: <small>,<ins>,<delete><samp>
* Advisory tags: <abbr>,<dfn>,<kbd>
* Characters: &cent, &pound, &copy, &reg, &deg, &frac12, &sup2
* <sup>, <sub>
* <bdo dir="rtl">
* Linking o parts of same page <a href="html5.html#pageTop">

Opening mail s/w: <a href="mailto:anju@gmail.com">

Dynamic calling JS function <a href="javascript:toggleImg()">

Embedding external file formats using object tag

* <object data="Abc.pdf" type="application/pdf">abc</object>
* <object data="Abc.html" type="text/html">abc</object>
* <object data="Abc.wav" type="audio/x-wav">abc</object>

Embedding external resource in an iframe

* <iframe width="560" height="315" src="http://www.youtube.com/embed/Rub-JsjMhWY" allowfullscreen=""></iframe>

Embedding interactive files like flash

* <embed src="http://www.itma.vt.edu/tech/flash.swf" pluginspage="http://www.macromedia.com/shockwave/download/" type="application/x-shockwave-flash" loop="false" quality="high">

Browser storage: localStorage.getItem/.setItem/.removeItem

Use w3c markup validator service to validate your html file.

Use <div> <span> only for styling and not structuring the web page.

We use <pre> <code> to show code part as it is without getting it executed.

It reduces dependency on plugins to support modern web designs.