**Frontend Assignment**

**Web Designing**

**MODULE: 3 (HTML 5)**

**What are the new tags added in HTML5?**

**ANS.** Following tabs are added in HTML5:

* [audio](https://www.w3.org/wiki/HTML/Elements/audio)
* [canvas](https://www.w3.org/wiki/HTML/Elements/canvas)
* [command](https://www.w3.org/wiki/HTML/Elements/command)
* [datalist](https://www.w3.org/wiki/HTML/Elements/datalist)
* [details](https://www.w3.org/wiki/HTML/Elements/details)
* [embed](https://www.w3.org/wiki/HTML/Elements/embed)
* [figcaption](https://www.w3.org/wiki/HTML/Elements/figcaption)
* [figure](https://www.w3.org/wiki/HTML/Elements/figure)
* [footer](https://www.w3.org/wiki/HTML/Elements/footer)
* [header](https://www.w3.org/wiki/HTML/Elements/header)
* [hgroup](https://www.w3.org/wiki/HTML/Elements/hgroup)
* [keygen](https://www.w3.org/wiki/HTML/Elements/keygen)
* [mark](https://www.w3.org/wiki/HTML/Elements/mark)
* [math](https://www.w3.org/wiki/HTML/Elements/math)
* [meter](https://www.w3.org/wiki/HTML/Elements/meter)
* [nav](https://www.w3.org/wiki/HTML/Elements/nav)
* [output](https://www.w3.org/wiki/HTML/Elements/output)
* [progress](https://www.w3.org/wiki/HTML/Elements/progress)
* [rp](https://www.w3.org/wiki/HTML/Elements/rp)
* [rt](https://www.w3.org/wiki/HTML/Elements/rt)
* [ruby](https://www.w3.org/wiki/HTML/Elements/ruby)
* [section](https://www.w3.org/wiki/HTML/Elements/section)
* [source](https://www.w3.org/wiki/HTML/Elements/source)
* [summary](https://www.w3.org/wiki/HTML/Elements/summary)
* [svg](https://www.w3.org/wiki/HTML/Elements/svg)
* [time](https://www.w3.org/wiki/HTML/Elements/time)
* [track](https://www.w3.org/wiki/HTML/Elements/track)
* [video](https://www.w3.org/wiki/HTML/Elements/video)
* [wbr](https://www.w3.org/wiki/HTML/Elements/wbr)

**How to embed audio and video in a webpage?**

**ANS.** To embed video in HTML, we use the <video> tag. It contains one or more video sources at a time using <source> tag. It supports MP4, WebM, and Ogg in all modern browsers.

**Semantic element in HTML5?**

**ANS.** Following are the sementic element in HTML5.

* <article>
* <aside>
* <details>
* <figcaption>
* <figure>
* <footer>
* <header>
* <main>
* <mark>
* <nav>
* <section>
* <summary>
* <time>

**Canvas and SVG tags**

**ANS.**

| **SVG** | **Canvas** |
| --- | --- |
| Vector based (composed of shapes) | Raster based (composed of pixel) |
| SVG has better scalability. So it can be printed with high quality at any resolution. | Canvas has poor scalability. Hence it is not suitable for printing on higher resolution. |
| SVG gives better performance with smaller number of objects or larger surface. | Canvas gives better performance with smaller surface or larger number of objects. |
| SVG can be modified through script and CSS. | Canvas can be modified through script only. |
| Multiple graphical elements, which become the part of the page’s DOM tree. | Single element similar to <img> in behavior. Canvas diagram can be saved to PNG or JPG format. |