# Assigment HTML – 5

Q.1) **What are the new tags added in HTML5?**

**A-)** ( Hypertext markup language). [HTML5](https://www.geeksforgeeks.org/html5-introduction/) introduced many new tags that will benefit many developers. These tags are generally supported by all major browsers. These tags belong to many aspects such as graphics, media, and forms.

**Tags-**

<audio>

<embed>

<source>

<track>

<video>

<datalist>

<output>

**New Input-**

<color>

<date>

<dateyime>

<email>

**Q.2)** **How to embed audio and video in a webpage?**

**A-)**

The HTML5 <audio> and <video> tags make it simple to add media to a website. You need to set **src** attribute to identify the media source and include a controls attribute so the user can play and pause the media

Here is the simplest form of embedding a video file in your webpage −

<video src = "foo.mp4" width = "300" height = "200" controls>

Your browser does not support the <video> element.

</video>

<html>

<body>

<video width = "300" height = "200" controls autoplay>

<source src = "/html5/foo.ogg" type ="video/ogg" />

<source src = "/html5/foo.mp4" type = "video/mp4" />

</video>

</body>

</html>

**Q-3) Semantic element in HTML5?**

A-) A semantic element clearly describes its meaning to both the browser and the developer.

Examples of semantic elements: <form>, <table>, and <article> - Clearly defines its content.

**Tag-**

<article>

<aside>

<details>

<figcaption>

<figure>

<footer>

<header>

<main>

<mark>

<nav>

<section>

<summary>

<time>

**Q-4) Canvas and SVG tags**

**A-)** SVG defines vector-based graphics in XML, which can be directly embedded in HTML pages.

SVG graphics are scalable, and do not lose any quality if they are zoomed or resized

-

-SVG stands for Scalable Vector Graphics

-SVG is used to define vector-based graphics for the Web

-SVG defines graphics in XML format

-Each element and attribute in SVG files can be animated

-SVG is a W3C recommendation

-SVG integrates with other standards, such as CSS, DOM, XSL and JavaScript

The HTML <svg> element is a container for SVG graphics.

SVG has several methods for drawing paths, rectangles, circles, polygons, text, and much more

<html>

<body>

<svg width="100" height="100">

<circle cx="50" cy="50" r="40" stroke="green" stroke-width="4" fill="yellow" />

</svg>

</body>

</html>