

# HTML5

## **(1) What are the new tags added in HTML5?**

=> The new tags added in HTML5 is

<section> - Document and application section

<time> - date and time

<video> - video file

<audio> - audio file

<wbr> - line break

<nav> - navigation

<mark> - highlight

## **(2) How to embed audio and video in a webpage?**

=> 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.

## **(3) Semantic elements in HTML5?**

=> A semantic element describes its meaning to both the browser and the developer.

### **Non-semantic elements:**

= <div> and <span> - Tells nothing about its content.

### **Semantic elements:**

= <form>, <table>, and <article> - Clearly defines its content.

#### **(4) Canvas and SVG tags?**

##### **=> Canvas:**

- canvas is raster based graphics for web.
- Canvas has poor scalability. Hence it is not suitable for printing on higher resolution.
- Canvas gives better performance with smaller surface or larger number of objects.
- Canvas can be modified through script only.
- Single element similar to <img> in behavior. Canvas diagram can be saved to PNG or JPG format.

##### **SVG:**

- SVG IS Vector based graphics for web.
- SVG has better scalability. So it can be printed with high quality at any resolution.
- SVG gives better performance with smaller number of objects or larger surface.
- SVG can be modified through script and CSS.
- Multiple graphical elements, which become the part of the page's DOM tree.