

# “ HTML5 Assignments”

## 1. What are the new tags added in HTML5?

- [<audio>](#) : The <audio> tag is used to insert an audio into an HTML webpage.
- [<video>](#) : The <video> tag is used to insert an audio into an HTML webpage.
- [<embed>](#) : The <embed> tag in HTML is used for embedding external applications which are generally multimedia content like audio or video into an HTML document.
- [<header>](#) : The <header> tag contains information related to the title and heading of the related content.
- [<nav>](#) : The <nav> tag is used for declaring the navigational section in HTML documents.
- [<section>](#) : The section tag divides the content into sections and subsections.
- [<footer>](#) : The <footer> tag in HTML is used to define a footer of HTML document.

## 2. How to embed audio and video in a webpage?

- i. To embed audio in HTML, we can use the <audio> , <embed> & <iframe> tag.
- <audio controls loop>

```
<source src="file_name" type="audio_file_type">
</audio>
```

- `<embed src="file_name">`
- `<iframe src=" file_name"></iframe>`

ii. To embed video in HTML, we can use the `<video>` , `<embed>` & `<iframe>` tag.

- `<video src="video.mp4" controls></video>`
- `<embed src="file_name">`
- `<iframe src=" file_name"></iframe>`

### 3. Semantic element in HTML5?

- Semantic elements Clearly defines its content.
  - In HTML there are some semantic elements that can be used to define different parts of a web page:
- 
- `<article>`
  - `<aside>`
  - `<details>`
  - `<figcaption>`
  - `<figure>`
  - `<footer>`
  - `<header>`
  - `<main>`
  - `<mark>`
  - `<nav>`
  - `<section>`
  - `<summary>`
  - `<time>`

## 4. Canvas and SVG tags.

### i. SVG :

- SVG stands for Scalable Vector Graphics
- SVG is used to define graphics for the Web
- The HTML `<svg>` element is a container for SVG graphics.
- There is an example given below of SVG circle using `<svg>`:

```
<!DOCTYPE html>
<html>
<body>

<svg width="100" height="100">
  <circle cx="50" cy="50" r="40" stroke="green" stroke-
e-width="4" fill="yellow" />
</svg>

</body>
</html>
```

### iii. Canvas :

- The HTML `<canvas>` element is used to draw graphics on a web page.
- The HTML `<canvas>` element is used to draw graphics, on the fly, via JavaScript.

Canvas has several methods for drawing paths, boxes, circles, text, and adding images.

```
<canvas id="myCanvas" width="200" height="100" style="border:1px solid #000000;">
</canvas>
```