**Web designing assignment**

**Module (HTML5) – 3**

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

**ANS)**

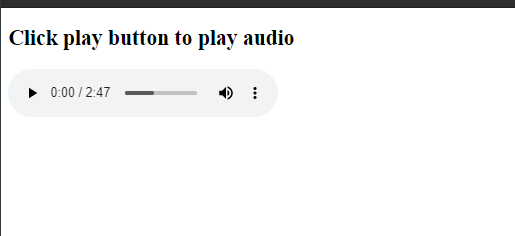
|  |  |
| --- | --- |
| **TAGS** | DESCRIPTION |
| 1.<dialog> | It represent a dialog box or other interactive components |
| 2.<fig caption> | It define caption for the < figure> element. |
| 3.<figure> | It defines a self-contained content ,and referenced as a single unit. |
| 4.<footer > | It represent the footer section of webpage. |
| 5.<aside> | It define the content which provide information about main content. |
| 6.<bdi> | It is used to isolate the part of text which might be formatted in another direction. |
| 7.<main> | It define the main content of the HTML document. |

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

**ANS)** With the use of<audio> tag and<video> tag we embed a audio and video in webpage.

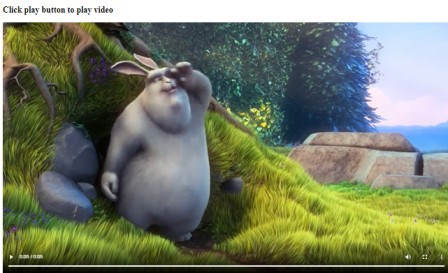
Audio tag

<audio src="path of that audio"></audio>



Video tag

    <video src=""></video>



**3) Semantic element in HTML5?**

**ANS)** 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.

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.**

**ANS)**

Canvas tag:

A canvas is a rectangular area on an HTML page. By default, a canvas has no border and no content.

The <canvas> tag is used to draw graphics, on the fly, via scripting (usually JavaScript). The <canvas> tag is transparent, and is only a container for graphics, you must use a script to actually draw the graphics.

    <canvas id="myCanvas1" width="300" height="100" style="border:2px solid;"></canvas>

Svg (scalable vector graphic)tag:

SVG is a language for describing 2D graphics in XML.

Scalable Vector Graphics (SVG) is a web-friendly vector file format. As opposed to pixel-based raster files like JPEGs, vector files store images via mathematical formulas based on points and lines on a grid.

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

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

</svg>