Module (HTML5) – 3

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

**The semantic elements added in HTML5 are:**

* <article>
* <aside>
* <details>
* <figcaption>
* <figure>
* <footer>
* <header>
* <main>

1. • How to embed audio and video in a webpage?

html . Add <audio> and <video> elements to the page; make them display the default browser controls. Give both of them <source> elements so that browsers will find the audio format they support best and load it. These should include type attributes.

<!DOCTYPE html>

<html>

<body>

<video width="320" height="240" controls>

<source src="movie.mp4" type="video/mp4">

<source src="movie.ogg" type="video/ogg">

Your browser does not support the video tag.

</video>

</body>

</html>

1. • Semantic element in HTML5?

Semantic HTML elements are those that clearly describe their meaning in a human- and machine-readable way. Elements such as <header> , <footer> and <article> are all considered semantic because they accurately describe the purpose of the element and the type of content that is inside them.

<!DOCTYPE html>

<html>

<body>

<h1>The article element</h1>

<article>

<h2>Google Chrome</h2>

<p>Google Chrome is a web browser developed by Google, released in 2008. Chrome is the world's most popular web browser today!</p>

</article>

<article>

<h2>Mozilla Firefox</h2>

<p>Mozilla Firefox is an open-source web browser developed by Mozilla. Firefox has been the second most popular web browser since January, 2018.</p>

</article>

<article>

<h2>Microsoft Edge</h2>

<p>Microsoft Edge is a web browser developed by Microsoft, released in 2015. Microsoft Edge replaced Internet Explorer.</p>

</article>

</body>

</html>

1. • Canvas and SVG tags

SVG and Canvas are HTML5 APIs for rendering vector and raster graphics, respectively. SVG is used to create vector-based graphics, whereas Canvas can render both vector and raster graphics. Canvas is better for quickly rendering graphics and animations with less control than SVG.

<!DOCTYPE html>

<html>

<body>

<svg width="200" height="200">

<circle cx="50" cy="50" r="50"

stroke="green" stroke-width="4" fill="yellow" />

Sorry, your browser does not support inline SVG.

</svg>

</body>

</html>