

## Module (HTML5) – 3

1. What are the new tags added in HTML5?

=> The new tags added in HTML5 are <figure>, <article>, <header>, <main>, <footer>, <nav>, and <section>.

Eg:-



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

=> To embed the audio in a webpage using audio tag and to embed the video in a webpage using video tag with the source

Eg:- <audio src= "source of the audio file" controls autoplay>Here is the audio file </audio>

<video height= “300” width= “200”controls autoplay loop>  
<source src= “source of the audio file” type= “video/mp4”>

Here is the video file </ video >

### 3. Semantic element in HTML5?

=> Semantic element in HTML5 has the elements with a meaning.

E.g of non-semantic elements: <div> and <span> - Tells nothing about its content.

E.g of semantic elements: <form>, <table>, <article>, <main>, <header>, <footer> -Clearly defines its content.

### 4. Canvas and SVG tags

=> **SVG tag:** - SVG is a vector-based graphics, and it's useful for defining graphics such as boxes, circles, text, and XML-based image format.

It is a language for describing 2D-graphics and graphical applications in XML. Most Web browsers can display SVG just like they can display PNG, GIF, and JPG.

SVG images are way better than bitmap images.

**Canvas tag:** - Canvas is an HTML5 element, which is used to draw graphics for the dynamic, scriptable rendering of 2D and 3D shapes and bitmap images on the web page.

It is capable of API animation

It is can be modified using JavaScript

It is suited for gaming applications