

Module 5) HTML5

Ques1) what are the new tags added in HTML5?

Ans1) The new tags are added in HTML are:

- a) <details>
- b) <figure>
- c) <footer>
- d) <header>
- e) <main>

Ques2) How to embed audio and video in a webpage?

Ans2) To embed audio in HTML, we use the <audio> tag. Before HTML5, audio cannot be added to web pages in the Internet Explorer era. To play audio, we used web plugins like Flash. After the release of HTML5, it is possible. This tag supports Chrome, Firefox, Safari, Opera, and Edge in three audio formats – MP3, WAV, OGG. Only Safari browser doesn't support OGG audio format.

In this example, we will add a video to our webpage. To add video, we will use the <video> tag defining source using <source> tag. Create an HTML file just like an audio file example and save the video file in the same directory. Suppose a video file name test.mp4 save in the same directory where your HTML file was saved.

Ques3) Semantic element in HTML5?

Ans3) A semantic element clearly describes its meaning to both the browser and the developer.

- Examples of non-semantic elements: <div> and - Tells nothing about its content.
- Examples of semantic elements: <form>, <table>, and <article> - Clearly defines its content.

Ques4) Canvas & SVG Tags?

Ans4) the Canvas & SVG tags are:

Scalable Vector Graphics (SVG)

It is an XML-based image format used to define two-dimensional vector-based graphics for the web. Unlike raster images (Ex .jpg, .gif, .png, etc.), a vector image can be scaled up or down to any extent without losing the image quality. An SVG image is drawn out using a series of statements that follow the XML schema — that means SVG images can be created and edited with any text editor, such as Notepad. There are several other advantages of using SVG over other image formats like JPEG, GIF, PNG, etc.

Canvas:

The HTML element is used to draw graphics on the fly, via scripting (usually JavaScript). The element is only a container for graphics. You must use a script to actually draw the graphics. Canvas has several methods for drawing paths, boxes, circles, text, and adding images.