Module 3(HTML5)

• What are the new tags added in HTML5?

New semantic/ structur elements like <header>, <footer>, <article>, and <section>.

New attributes of form elements like number, date, time, calendar, and range.

New graphic elements: <svg> and <canvas>.

New multimedia elements: <audio> and <video>

• How to embed audio and video in a webpage?

<audio>

<source src="file\_name" type="audio\_file\_type">

</audio>

<video>

<source src="file\_name" type="video\_file\_type">

</video>

• Semantic element in HTML5?

<header>

<footer>

<article>

<section>.

• Canvas and SVG tags

The <canvas> tag is used to draw graphics, on the fly, via scripting (usually JavaScript).

<canvas id="myCanvas">  
Your browser does not support the canvas tag.  
</canvas>  
  
<script>  
var canvas = document.getElementById("myCanvas");  
var ctx = canvas.getContext("2d");  
ctx.fillStyle = "#FF0000";  
ctx.fillRect(0, 0, 80, 80);  
</script>

The <svg> tag defines a container for SVG graphics.

SVG has several methods for drawing paths, boxes, circles, text, and graphic images.

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