**Module (HTML5) – 3**

**• What are the new tags added in HTML5?**

|  |  |
| --- | --- |
| Structural or Semantic Tags | |
| <article> | It defines the independent or self-contained content of a webpage. |
| <aside> | It defines the content which provide information about the main content. |
| <details> | It defines additional information which only visible as per user demand. |
| <dialog> | It represents a dialog box or other interactive components. |
| <figcaption> | It defines caption for the <figure> element. |
| <figure> | It defines a self-contained content, and referenced as a single unit. |
| <footer> | It represents the footer section of the webpage. |
| <header> | It defines the introductory or navigational content of the webpage. |
| <main> | It specifies the main content of the HTML document. |
| <nav> | It represents the section which contains navigation links. |
| <section> | It defines a generic section within an HTML document. |
| <summary> | It defines summary or caption for a <details> element which can be clicked to change the state of <details> element. |
| <time> | It defines data/time within an HTML document. |

**• How to embed audio and video in a webpage?**

**Syntax:**

<audio>

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

</audio>

| **Attribute** | **Value** | **Description** |
| --- | --- | --- |
| autoplay | autoplay | When the page is loaded. It specifies to play audio as soon as possible. |
| controls | controls | It displays audio control. |
| loop | loop | It will start the audio again when it is finished. |
| muted | muted | When the page is loaded audio will be automatically muted. |
| preload | auto metadata  none | It specifies how the author thinks the audio will be loaded when the page is ready. |
| src | URL | It specifies the URL of the audio file. |

**Syntax**

<video>

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

</video>

| **Attribute** | **Value** | **Description** |
| --- | --- | --- |
| autoplay | autoplay | When the page is loaded. It specifies to play video as soon as possible. |
| controls | controls | It displays video control such as play, pause, and stop. |
| loop | loop | It will start the video again when it is finished. |
| muted | muted | When the page is loaded video will be automatically muted. |
| poster | URL | It specifies an image will be shown until video play. |
| preload | auto metadata none | It specifies how the author thinks the video will be loaded when the page is ready. |
| src | URL | It specifies the URL of the audio file. |
| width | pixels | It specifies the width of the video area. The default value of width is ‘auto’. |
| height | pixels | It specifies the height of the video area. The default value of height is ‘auto’. |

**• Semantic element in HTML5?**

* <article>
* <aside>
* <details>
* <figcaption>
* <figure>
* <footer>
* <header>
* <main>
* <mark>
* <nav>
* <section>
* <summary>
* <time>

**• Canvas and SVG tags.**

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| Graphics Tags | |
|  |  |
| <canvas> | It allows drawing graphics and animations via scripting. |
| <svg> | It is used to draw scalable vector graphics. |