Html5

1)What are new tag added in html5?

*1. <header>: Defines the header section of a document or a section within the document.*

*2. <nav>: Defines a section of navigation links.*

*3. <article>: Represents self-contained content that can be distributed independently from the rest of the document.*

*4. <section>: Defines a section within a document.*

*5. <aside>: Represents content that is tangentially related to the main content, such as sidebars or call-out boxes.*

*6. <footer>: Defines the footer section of a document or a section within the document.*

*7. <main>: Specifies the main content of a document and is used only once per page.*

*8. <figure>: Represents self-contained content, such as images or diagrams, that is referenced in the main content but can be moved elsewhere without affecting the document's meaning.*

*9. <figcaption>: Specifies a caption for a <figure> element.*

*10. <time>: Represents a specific time or range of dates.*

*11. <video>: Embeds video content into a document.*

*12. <audio>: Embeds audio content into a document.*

*13. <progress>: Represents the progress of a task or process.*

*14. <meter>: Represents a scalar measurement within a known range, such as a gauge or a bar.*

*15. <datalist>: Specifies a pre-defined list of options for use with an <input> element.*

2)How to embed video audio?

*HTML5 introduced the `<audio>` and `<video>` tags for embedding audio and video content into a webpage. These tags provide a simple and standardized way to add multimedia content to a web page, without the need for additional plugins or external players.*

3)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.*

*Which tag we saw in the 1st question that all are semantic tag.*

4) Canvas and SVG tags

***SVG:****The Scalable Vector Graphics (SVG) is an XML-based image format that is used to define two-dimensional vector-based graphics for the web. Unlike raster image (Ex .jpg, .gif, .png, etc.), a vector image can be scaled up or down to any extent without losing the image quality.*

***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.*