HTML:

What is the sematic element in html?

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

  The new sematic element **<header>, <footer>, <aside>, <main, <section>, <article>, <nav>, <details> and <summary>**

**Non-sematic::**  Tells nothing about its content. Like <div> <span>

What are the new Input type features in HTML5?

The New HTML5 Form Input Types

|  |  |
| --- | --- |
| **Input Type** | **Description** |
| email | Validates the input using the standard email format |
| tel | Gives you the ability to validate telephone numbers format against a pattern |
| search | Searches a data set (like a <datalist> HTML element) |
| range | A slider control for picking a number in between two numbers |
|  |  |

How the browser know you writing HTML file or not?

The <**html**> tag tells the **browser your document** is actually **HTML**. The file end with .html

What is the title tag?

The **<title> tag** defines the title of the document. The title must be text-only, and it is shown in the browser's title bar, The contents of a page title is very important for search engine optimization (SEO).

What is the meta tags?

The <meta> tag defines **metadata about an HTML document**. Metadata is data (information) about data. <meta> tags always go inside the <head> element, and are typically used to specify character set, page description, keywords, author of the document, and viewport settings.

What is the new features in html5?

multimedia elements such **as video and audio , GeoLocation API**, Web Storage API, Web Sockets API, JS Web Worker API, Canvas, Drag-n-Drop.

What is the local storage and session storage and cookies?

**Local Storage has no expiration date while Session Storage data are gone when you close the browser tab.**

When a web server has sent a web page to a browser, the connection is shut down, and the server forgets everything about the user.

Cookies were invented to solve the problem "how to remember information about the user":

* When a user visits a web page, his/her name can be stored in a cookie.
* Next time the user visits the page, the cookie "remembers" his/her name.

What you removed html5 top of the browser what will happen ?

Tells the **browser** that **we** are using **HTML5**. **If** document type is not mentioned, **browser will** go **to** Quirks mode.

What are the web workers and service workers?

Web Workers are a **simple means for web content to run scripts in background threads**. The worker thread can perform tasks without interfering with the user interface.

Service workers are **a proxy between the browser and the network**. By intercepting requests made by the document, service workers can redirect requests to a cache, enabling offline access. Web workers are general-purpose scripts that enable us to offload processor-intensive work from the main thread

What are the inline element and block level element?

There are two display values: block and inline. A **block-level element always starts on a new line and takes up the full width available**. **An inline element does not start on a new line and it only takes up as much width as necessary**.

What are the datalist in html5?

The HTML <datalist> tag is is used to provide an auto complete feature on form element. It **provides a list of predefined options to the users to select data**. ... The <datalist> tag should be used with an <input< element that contains a "list" attribute. The value of "list" attribute is linked with the datalist id.

What is SVG?

[[](https://www.google.com/search?q=What+is+a+SVG+file+used+for?&sxsrf=ALeKk01rEJ8CiBZnI3G8pfoqQIqK1LPStQ:1629798109301&tbm=isch&source=iu&ictx=1&fir=wWzkMAUTPpQf2M%2CliYOHbt32kn4BM%2C_&vet=1&usg=AI4_-kSIrYti63Whd4D8QlbkmZeLvGSxdQ&sa=X&ved=2ahUKEwj_tvCKr8nyAhUWyDgGHQiSBcEQ9QF6BAgMEAE#imgrc=wWzkMAUTPpQf2M)](https://www.google.com/search?q=What+is+a+SVG+file+used+for?&sxsrf=ALeKk01rEJ8CiBZnI3G8pfoqQIqK1LPStQ:1629798109301&tbm=isch&source=iu&ictx=1&fir=wWzkMAUTPpQf2M%252CliYOHbt32kn4BM%252C_&vet=1&usg=AI4_-kSIrYti63Whd4D8QlbkmZeLvGSxdQ&sa=X&ved=2ahUKEwj_tvCKr8nyAhUWyDgGHQiSBcEQ9QF6BAgMEAE" \l "imgrc=wWzkMAUTPpQf2M)

SVG is short for “Scalable Vector Graphics”. It's a XML based two-dimensional graphic file format. SVG format was developed as an open standard format by World Wide Web Consortium (W3C). The primary use of SVG files are for **sharing graphics contents on the Internet**.

What is Canvas?

The HTML **<canvas> element is used to draw graphics**, on the fly, via JavaScript. The <canvas> element is only a container for graphics. You must use JavaScript to actually draw the graphics. Canvas has several methods for drawing paths, boxes, circles, text, and adding images

What is the Iframe?

The <iframe> tag **specifies an inline frame**. An inline frame is used to embed another document within the current HTML document