What happens if we miss <!DocType> in html Document?

* It instructs the Web browser about the version of HTML used for creating the Web page.
* If the developer missed Doctype information in code, then new features and tags provided by HTML5 like <article> , <header> , <footer> , <section> will not be supported.
* The browser may automatically go into **quirks and strict Mode.**

**Quirks:**

Quirks mode enables browser to behave like old browser (Navigation 4 and IE5)

What is a tag in HTML

* A tag instructs the browser about how to format the HTML properly.

Elements provided by HTML5 for media content

* <audio> it defines the sound content
* <video> it represents the video content that needs to be attached to a web page
* <embed> it provides a container for an external application, like loads the other static page
* <source> defines the source of video and audio
* <track> It defines the text tracks for video and audio

New Form elements available in HTML5

* <datalist> it represents a list of pre-defined options for input controls
* <keygen> It defines a key-pair generator field (for forms)
* <output> it represents the result of calcaulation.

What is semantic elements in HTML5 , also difference between semantic and non semantic elements?

* A semantic element has its meaning expressed both the browser and developer.
* List of semantics
  + Header
  + Footer
  + Nav
  + Article
  + Section
  + Figure
  + Figcaption

Semantic : Semantic elements clearly describes their content

Non Semantic elements are without definition. They don’t describe any thing about their structure such as <span> & <div>

What is HTML5 Web strorage?

* HTML5 web storage is also known as DOM storage is a way to preserve state on either the client or server which makes it easier to work against the stateless nature of HTTP.
* It allows the web pages to store data locally in the user browser.
* Advantages of Web storage
  + It can store 5 to 10 mb of data, That is far more than what cookies will allow.
  + HTML5 never transfers Web storage data with any HTTP request . Thus creating the less overhead than cookies in turn , increases the performance of the application
  + Apps can work both in online and offline
* Two types of webstorage Local storage and sessionStorage
* Only strings need to stored

What is concept of Application cache in HTML5?

* It means that web application is cached and access without internet connection.
* Advantages
  + Offline browsing – user s can use the application when they are in offline.
  + Speed – Cached resources will load faster as compared to content that gets downloaded, directly from server.
  + Reduced Server load – the browser will only download updated/modified resources from server.

What is Manifest file?

* It is a simple text file which tells the browser what needs to be cached or not
* It contains three sections
  + CACHE MANIFEST – list of caching files after they get downloaded for the first time.
  + NETWORK – files always need a server. The browser can never cache this.
  + FALLBACK – Files listed here specify the fallback pages, if any page in it is not accessible.