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HTML5 interview questions

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HTML5 is the most recent version of the HTML(Hypertext Markup Language). It is a language for structuring and displaying content for the World Wide Web, a core technology of the Internet.

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HTML5 interview questions

1. What is HTML5 Geolocation? How to use it ?   ⌄

HTML5 nGeolocation is used to locate a user's position
The HTML5 Geolocation API is used to get the geographical position of a user.
Since this can compromise user privacy, the position is not available unless the user approves it.

Use the **getCurrentPosition()** method to get the user's position.

```
<script>
var x=document.getElementById("demo");
function getLocation()
{
if (navigator.geolocation)
{
navigator.geolocation.getCurrentPosition(showPosition);
}
else{x.innerHTML="Geolocation is not supported by this browser.";}
}
function showPosition(position)
{
x.innerHTML="Latitude: " + position.coords.latitude +"
Longitude: " + position.coords.longitude;
}
</script>
```

2. What is Canvas? How to write a Canvas ?   ⌄

Canvas is a element of **HTML5** which uses JavaScript to draw graphics on a web page. A canvas is a rectangular area. Each and every pixel of it can be controlled by us. There are several methods for drawing paths, boxes, circles, characters, and adding images by using canvas.

To add canvas tag to our HTML document we need id, width and height. Below is the example how to write a basic canvas tag to your HTML document.

```
<canvas id="myFirstCanvas" width="100" height="100"> </canvas>
```

3. What is the use of LocalStorage in HTML5?   ⌄

Before HTML5 LocalStores was done with cookies. Cookies are not very good for large amounts of data, because they are passed on by every request to the server, so it was very slow and in-effective.
In HTML5, the data is NOT passed on by every server request, but used ONLY when asked for. It is possible to store large amounts of data without affecting the website's performance.and The data is stored in different areas for different websites, and a website can only access data stored by itself.
And for creating localstores just need to call localStorage object like below we are storing name and address

```
<script type="text/javascript">
localStorage.name="ABC";
localStorage.address="New Delhi India.";
document.write(localStorage.address);
</script>
```

4. List out the advantages of HTML5?   ⌄

The top 5 from some web research would appear to offer the following **HTML5** features;

- Mutuality
- Cleaner mark-up / Improved Code
- Improved Semantics
- Elegant forms and web apps
- Offline Application cache

5. Can you list the new input type attributes in HTML5?   ⌄

Yes, we can use below new input type Attribute in HTML5

- **tel** The input is of type telephone number
- **search** The input field is a search field
- **url** a URL
- **email** One or more email addresses
- **datetime** A date and/or time
- **date** A date
- **month** A month
- **week** A week
- **time** The input value is of type time
- **datetime-local** A local date/time
- **number** A number.
- **range** A number in a given range.
- **color** A hexadecimal color, like #82345c
- **placeholder** Specifies a short hint that describes the expected value of an input field.

6. What is the difference between Html5 application cache and regulate Html browser cache?   ⌄

The new HTML5 specification allows browsers to prefetch some or all of website assets such as HTML files, images, CSS, JavaScript, and so on, while the client is connected. It is not necessary for the user to have accessed this content previously, for fetching this content. In other words, application cache can prefetch pages that have not been visited at all and are thereby unavailable in the regular browser cache. Prefetching files can speed up the site's performance, though you are of course using bandwidth to download those files initially.

7. What is the sessionStorage Object in HTML? How to create and access?   ⌄

The **sessionStorage** object stores the data for one session. The data is deleted when the user closes the browser window. like below we can create and access a sessionStorage here we created "blogName" as session

```
<script type="text/javascript">
sessionStorage.blogName="OnlineInterviewQuestions";
document.write(sessionStorage.name);
</script>
```

8. What is HTML5?   ⌄

HTML5 is the most recent version of the HTML(Hypertext Markup Language). It is a language for structuring and displaying content for the World Wide Web, a core technology of the Internet.

WHATWG (Web Hypertext Application Technology Working Group) another gathering of **W3C** individuals felt that W3C is not giving careful consideration to this present reality improvement needs of dialect, it has begun dealing with the new determination of HTML-HTML5. Consequently, HTML5 is another adaptation of HTML 4.01 and XHTML 1.0 concentrating on the necessities of Web application designers and in addition tending to issues found in the present details.

Specifically, HTML5 includes numerous new syntactical features. New elements , like <section>, <article>, <header>, and <nav>, are the essential parts of semantic substance of documents. These additionally incorporate the <video>, <audio>, and <canvas> tags, as well as the integration of SVG content. These components are intended to make it simple to incorporate and handle interactive media and graphical substance on the web without resorting to restrictive modules and APIs. While a few components and traits have been expelled. A few components, for example, <a>, <cite> and <menu> have been changed, redefined or standardized. The APIs and DOM are no longer reconsideration but are fundamental parts of the HTML5 specification.

9. What are the rules established for HTML5?   ⌄

Some rules for HTML5 were established:

- New features should be based on HTML, CSS, DOM, and JavaScript
- Reduce the need for external plugins (like Flash)
- Better error handling
- More markup to replace scripting
- HTML5 should be device independent
- The development process should be visible to the public.

10. What is < !DOCTYPE>? Is it necessary to use in HTML5?   ⌄

The < !DOCTYPE> is an instruction to the web browser about what version of HTML the page is written in. AND The < !DOCTYPE> tag does not have an end tag and It is not case sensitive.

The < !DOCTYPE> declaration must be the very first thing in HTML5 document, before the tag. As In HTML 4.01, all < ! DOCTYPE > declarations require a reference to a Document Type Definition (DTD), because HTML 4.01 was based on Standard Generalized Markup Language (SGML). Where as **HTML5** is not based on SGML, and therefore does not require a reference to a Document Type Definition (DTD).

11. List out the new features of HTML5?   ⌄

Some of the most interesting new features in HTML5:

- The <canvas> element for 2D drawing
- The <video> and <audio> elements for media playback
- Support for local storage
- New content-specific elements, like <article>, <footer>, <header>, <nav>, <

12. What are the new Apis provided by the Html 5 standard? Give a brief description of each   ⌄

Below are the list of new Api's provided by the Html 5 standard.

- **Canvas :** Canvas consists of a drawable region defined in HTML code with height and width attributes. JavaScript code may access the area through a full set of drawing functions similar to other common 2D APIs, thus allowing for dynamically generated graphics. Some anticipated uses of the canvas include building graphs, animations, games, and image composition.
- Timed media playback
- Offline storage database
- Document editing
- Drag-and-drop
- Cross-document messaging
- Browser history management
- MIME type and protocol handler registration

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