

- ۱- چهار مورد از api های جدید در html5 را نام ببرید و کار هر کدام را به اختصار توضیح دهید.
- ۲- در کد css زیر چه المنت یا المنت های انتخاب شده است؟ و چه کاری انجام می شود؟

```
.center {  
  text-align: center;  
  color: red;  
}
```

- ۳- یک روش برای نمایش یک پیام به کاربر در جاوااسکریپت نام ببرید.
- ۴- معروف ترین کتابخانه (framework) جاوااسکریپت را نام ببرید.
- ۵- Ajax چیست و چگونه کار میکند؟

پاسخ ها :  
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The most interesting new API's are:

- HTML Geolocation
  - HTML Geolocation is used to locate a user's position.
- HTML Drag and Drop
  - Drag and drop is a very common feature. It is when you "grab" an object and drag it to a different location.
  - In HTML5, drag and drop is part of the standard, and any element can be draggable.
- HTML Local Storage
  - With local storage, web applications can store data locally within the user's browser.
  - Before HTML5, application data had to be stored in cookies, included in every server request. Local storage is more secure, and large amounts of data can be stored locally, without affecting website performance.
  - Unlike cookies, the storage limit is far larger (at least 5MB) and information is never transferred to the server.
- HTML Application Cache
  - HTML5 introduces application cache, which means that a web application is cached, and accessible without an internet connection.
  - Application cache gives an application three advantages:
    - Offline browsing - users can use the application when they're offline
    - Speed - cached resources load faster

- Reduced server load - the browser will only download updated/changed resources from the server
- HTML Web Workers
  - When executing scripts in an HTML page, the page becomes unresponsive until the script is finished.
  - A web worker is a JavaScript that runs in the background, independently of other scripts, without affecting the performance of the page. You can continue to do whatever you want: clicking, selecting things, etc., while the web worker runs in the background.
- HTML SSE
  - A server-sent event is when a web page automatically gets updates from a server.
  - This was also possible before, but the web page would have to ask if any updates were available. With server-sent events, the updates come automatically.
  - Examples: Facebook/Twitter updates, stock price updates, news feeds, sport results, etc.

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تمام المنت هایی که دارای کلاس center هستند انتخاب می شوند و به صورت وسط چین و به رنگ قرمز نمایش داده می شود

-۳

JavaScript can "display" data in different ways:

- Writing into an alert box, using **window.alert()**.
- Writing into the HTML output using **document.write()**.
- Writing into an HTML element, using **innerHTML**.
- Writing into the browser console, using **console.log()**.

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jQuery

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AJAX is about updating parts of a web page, without reloading the whole page.

AJAX allows web pages to be updated asynchronously by exchanging small amounts of data with the server behind the scenes. This means that it is possible to update parts of a web page, without reloading the whole page.

