**Q1. Mention the Differences between JavaScript and jQuery ?**

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| **JavaScript** | **jQuery** |
| It is a weakly typed, dynamic programming language | jQuery is a Concise and fast JavaScript library |
| It is an interpreted language | It uses resources of JavaScript to make tasks simpler and easier |
| You need to write your own script and it can be a time-consuming process | You only have to write existing JQuery scripts so it saves time |

**Q2. What is jQuery ?**

[jQuery](https://www.edureka.co/blog/jquery-tutorial/) is an efficient & fast JavaScript Library created by John Resig in 2006. The motto of jQuery is – write less, do more. It is designed to simplify the client-side scripting of HTML. The main purpose of jQuery is to provide an easy way to use JavaScript on your website to make it more interactive and attractive

**Q3. What are the features of jQuery ?**

DOM manipulation, Event handling, AJAX Support, Animations, Lightweight and Cross Browser Support.

**Q4. Mention some advantages of jQuery ?**

* It is like an **enhanced version** of [**JavaScript**](https://www.edureka.co/blog/javascript-tutorial/) so there is no overhead in learning a new syntax.
* jQuery has the ability to keep the code **simple, readable, clear** and **reusable.**
* It has **Cross-browser** support.
* This would remove the requirement for writing complex loops and **DOM scripting** library calls.
* jQuery helps in **event detection** and **handling**.

**Q5. What are Selectors in jQuery ?**

A jQuery **Selector** is a function that uses the expressions to find out **matching elements** from a **DOM** based on the given criteria. In a simple language, selectors are used to select one or more HTML elements using jQuery.

**Q6. What are the different types of Selectors?**

There are three main types of selectors used in jQuery:

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| --- | --- | --- |
| **Selector** | **jQuery Syntax** | **Description** |
| **Tag Name** | $(‘div’) | All div tags in the document |
| **ID** | $(‘#TextId’) | Selects element with ID as TextId. |
| **Class** | $(‘.myclass’) | Selects all elements with class as myclass. |

**Q7. What is jQuery noConflict ?**

**jQuery no-conflict** is an option given by jQuery to overcome the conflicts between the different javascript frameworks or libraries. When It uses jQuery no-conflict mode, you replace the **$** to a new variable and assign jQuery some other JavaScript libraries.

**Q8. Differentiate among .empty() vs .remove() vs .detach() in jQuery ?**

• **.empty()** – This method is used to remove all the child elements from matched elements.

**Syntax- $(selector).empty();**

• **.remove()**– This method is used to remove all the matched element. It will remove all the jQuery data associated with the matched element.

**Syntax- $(selector).remove();**

• **.detach()** – This method is same as .remove() method except that the .detach() method doesn’t remove jQuery data associated with the matched elements.

**Syntax- $(selector).detech();**

**Q9. What are the various Ajax functions available in jQuery?**

* **$.ajax() –** This is considered to be the most low level and basic of functions. It is used to send requests. This function can be performed without a selector.
* **$.ajaxSetup() –** This function is used to define and set the options for various ajax calls.
* **$.getJSON() –** This is a special type of shorthand function which is used to accept the url to which the requests are sent. Optional data and optional callback functions are also possible in such functions.

**Q10. How to read, write and delete cookies in jQuery ?**

To deal with cookies in jQuery you have to use the**Dough** cookie plugin. Dough is easy to use and has some powerful features.

* **Create cookie:** $.dough(“cookie\_name”, “cookie\_value”);
* **Read Cookie:** $.dough(“cookie\_name”);
* **Delete cookie:** $.dough(“cookie\_name”, “remove”);

**Q11. What is jQuery connect and how to use it?**

A  **jQuery connect** is a **plugin** used to connect or bind a function with another function.

**Q12. What is a CDN ? What are the advantages of using CDN ?**

Content Delivery Network or Content Distribution Network(**CDN**) is a large distributed system of servers deployed in multiple data centers across the internet. Google, Microsoft and Yahoo.

**Advantages of using CDN:**

* It reduces the load from the server.
* CDN also saves bandwidth. jQuery framework is loaded faster from these CDN.

**Q13. What is jQuery UI ?**

**jQuery UI** is a set of user interface interactions, effects, widgets, and themes built on top of the jQuery JavaScript Library. jQuery UI works well for highly **interactive** web applications with different controls or simple pages with a date picker control.

**Q14. What are the four parameters used for jQuery Ajax method ?**

* **URL** – You need to specify the URL to send the request.
* **Type** – This specifies the type of requests such as Get or Post.
* **Data** – It specifies the data to be sent to the server.
* **Cache** – This decides whether the browser should cache the requested page.

**Q15. What are jQuery plugins?**

**Plugins** are a piece of **code**. The jQuery plugins are a code written in a standard JavaScript file. These JavaScript files provide useful jQuery methods that can be used along with jQuery library methods. Any method you use in plugins must have a **semicolon (;)** at the end.

**Q16. What are the features of jQuery used in web applications ?**

**1.** **HTML/DOM Manipulation:** JavaScript do not have any features related to the DOM, but JavaScript in the browser does include some intelligence about the DOM.

**2. Event Handling:** jQuery introduced a feature called Event handling. You can write code that runs when a user clicks on a certain part of the page, or when the mouse is moved over a form element. jQuery contains many events, such as a user clicking on a button, moving a mouse over an element, etc.

**3. Ajax Support:**  Ajax is used to update the part of the web page without reloading the page.

**4. Animations in jQuery:** The jQuery comes with plenty of built-in animation effects that you can use in your websites. For example, animation, show, hide and so on. In jQuery, the animate() method is used to perform such tasks.