**1. What is jQuery?**

**Ans:**

jQuery is a lightweight, "write less, do more", JavaScript library.

The purpose of jQuery is to make it much easier to use JavaScript on your website.

jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.

**2. How to Apply CSS Using JQuery?**

**Ans:**  The css() method sets or returns one or more style properties for the selected elements.

* Set a CSS Property

. css("*propertyname*","*value*");

## Set Multiple CSS Properties

. css({"*propertyname*":"*value*","*propertyname*":"*value*",...});

**3. How to Add Class and Remove Class in Jquery ?**

**Ans:** The [**addClass()**](https://www.geeksforgeeks.org/jquery-addclass-with-examples/)or[**removeClass()**](https://www.geeksforgeeks.org/jquery-removeclass-with-examples/)methods are used to add or remove the CSS classes when there is a need to add or remove to our webpage when there is some event listener or to create some kind of effect.

* Adding a class:

$('selector').addClass(class\_name);

* Removing a class:

$('selector').removeClass(class\_name);

**4. How to apply Animation in JQuery?**

**Ans:** The jQuery animate() method is used to create custom animations.

Syntax:

$(*selector*).animate({*params*}*,speed,callback*);

The required params parameter defines the CSS properties to be animated.

**5. How to create slider with animation?**

**Ans:**  jQuery UI consists of GUI widgets, visual effects, and themes implemented using jQuery, CSS, and HTML. jQuery UI is great for building UI interfaces for the webpages. jQueryUI provides us a slider control through the slider widget. Slider helps us to get a certain value using a given range.

Syntax:

$(".selector").slider(

{ animate: value }

);

Parameters: This option accepts three parameters as discussed below:

* boolean: If set to *true*, the slider will be animated. By default, the value is *false*
* string: The string value used to set the speed of the slider cursor. The available values are *slow, normal, fast*.
* number: The duration of the animation in milliseconds.