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|  | **Web Designing Assignment**  **Module (jQuery Basic, Effects & Advanced) – 5** |

1. **What is jQuery?**

**Ans: jQuery**is an open-source JavaScript library that simplifies the interactions between an HTML/CSS document, or more precisely the Document Object Model (DOM), and JavaScript.

1. **How to Apply CSS Using jQuery, How to Add Class and Remove Class in jQuery, jQuery Animation?**

**Ans: (I) jQuery - Get CSS Properties**

**jQuery css() method can be used to get the value of a CSS property associated with the first matched HTML element. Following is the syntax of the css() method:**

**$(selector).css(propertyName);**

**jQuery understands and returns the correct value for both css( "background-color” ) and css( "backgroundColor" ).**

**(II) The**[**addClass()**](https://www.geeksforgeeks.org/jquery-addclass-with-examples/)**and**[**removeClass()**](https://www.geeksforgeeks.org/jquery-removeclass-with-examples/)**methods are respectively used to add and remove the CSS classes when there is a need to add or remove them from the webpage on the occurrence of an event.**

**Syntax: // Adding class using addClass()  
$('selector').addClass(class\_name);  
// Adding class using removeClass()  
$('selector').removeClass(class\_name);**

**(III) In jQuery, we can produce various types of animation using the animate() method. This method can produce simple to complex animation in the web page. Using animation, we can change the properties of HTML elements such as background colour, changing border styles, changing navigation properties, formatting the font properties, etc.**

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

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

**Ans: jQuery UI provides us a slider control through the slider widget. Slider helps us to get a certain value using a given range.** The *animate* option when set to *true* will create an animation effect when you directly click at any point on the slider’s axis

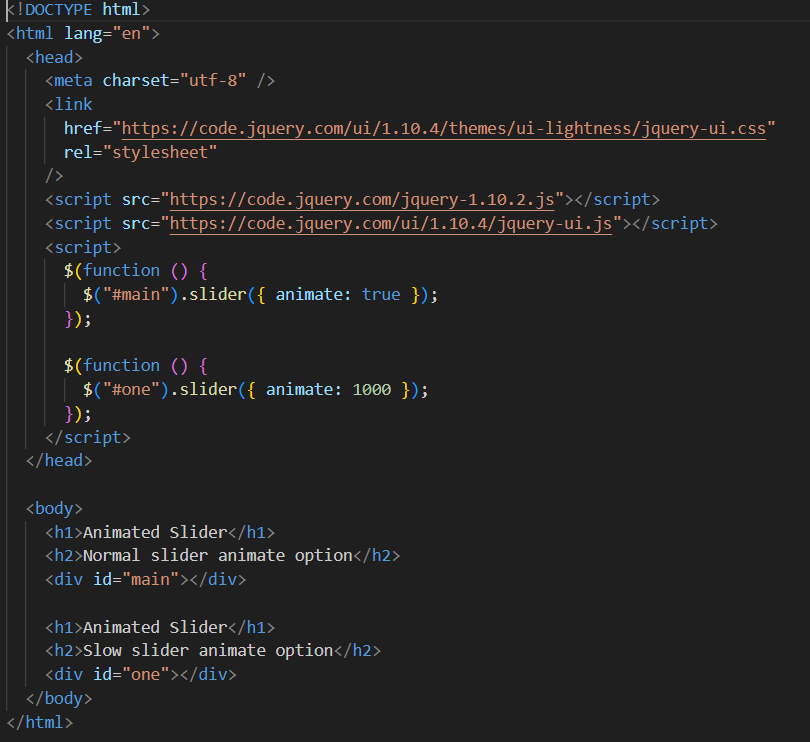
**Syntax:**

**$(".selector").slider(**

**{ animate: value }**

**);**

* **Example:**

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