ASSINMENT Jquery

**Q1. What is jquery?**

**Ans.** [jQuery is a JavaScript library that simplifies web development by providing an easy-to-use API for HTML document traversal and manipulation, event handling, animation, and Ajax1](https://www.w3schools.com/jquery/).

**Q2. How to Apply CSS Using jQuery, How to Add Class and Remove Class in jquery , jQuery animation?**

**Ans.** To apply CSS using jQuery, you can use the css() method, which takes either a property name and a value, or an object of property-value pairs.

For example,

$("p").css("color", "red") will change the color of all paragraphs to red, and $("div").css({"width": "100px", "height": "100px"}) will set the width and height of all divs to 100 pixels.

To add or remove a class in jQuery, you can use the addClass() and removeClass() methods, which take one or more class names as arguments.

For example,

 $("h1").addClass("big") will add the class “big” to all h1 elements, and $("h1").removeClass("big small") will remove the classes “big” and “small” from all h1 elements.

jQuery animation is the process of creating dynamic effects on web elements using the animate() method, which takes an object of CSS properties and values, a duration, and an optional callback function.

For example,

 $("div").animate({left: "100px"}, 2000) will move all divs 100 pixels to the right in 2 seconds.

**Q3. How to create slider with animation?**

**Ans.** To create a slider with animation in jQuery, you can use the slider() method, which is part of the jQuery UI library. This method transforms an input element into a slider that can be dragged by the user. You can customize the appearance and behavior of the slider using various options and events. For example, $("#slider").slider({animate: true, range: "min", value: 50}) will create a slider with animation, a minimum range, and an initial value of 50.