**ASSIGNMENT :- JQuery**

1. **What is jQuery?**

ANS :- jQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a multitude of browsers.

1. How to Apply CSS Using JQuery, How to Add Class and Remove Class in Jquery ,JQuery Animation?

ANS :-

* CSS:

Example of setting CSS properties: $(element).css("color", "red");

* Adds Class :-

Example: $(element).addClass("new-class");

* Remove Class:-

Example: $(element).removeClass("old-class");

* jQuery Animation: animate :-

Example: $(element).animate({ opacity: 0.5, left: '+=50', height: 'toggle' }, 1000);

**3) How to create slider with animation?**

**Ans: -** jQuery gives us functions for sliding images or divs or containers: “slideDown()”, “slideUp()”, “slideToggle()”.

-> The jQuery slideDown() method is used to slide down an element.

e.g. $(*selector*).slideDown(*speed,callback*);

-> The jQuery slideUp() method is used to slide up an element.

e.g. $(*selector*).slideUp(*speed,callback*);

-> The jQuery slideToggle() method toggles between the slideDown() and slideUp() methods.

e.g. $(*selector*).slideToggle(*speed,callback*);