Web Designing Assignment

Module (jQuery) - 5

1. **What is jQuery?**

   Ans. jQuery is a fast, small, and feature-rich JavaScript library. It simplifies things like HTML document traversal and manipulation, event handling, and animation, making it easier to work with JavaScript on your website. It is designed to make tasks such as HTML document manipulation, event handling, and animation simpler with an easy-to-use API that works across a multitude of browsers.

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

   Ans.

   - **Applying CSS using jQuery,**
     - ➢ **Use the method in jQuery to apply CSS properties to elements for example:**

       $("element").CSS("property", "value");

   Example:

   $("#mydrive").css ("background-color," "blue");

   - **Adding and Removing Classes:**
     - ➢ **Add class: Use the .addClass() method to add one more classes to the selected elements.**
     - ➢ $("element").addClass("className");

   Example:

   $("#mydrive").addClass("highlight");

- **Remove Class:**
  - ➢ Use tha .removeClass() method to remove one or more classes from the selected elements.
  - ➢ $("elements").removeClass("classNmae");

Example:

   $("#myDiv").removeClass("highlight");

- **jQuery Animation:**
  - ➢ jQuery provides methods to create custom animations.
  - ➢ For example: - .animate() method allows you to create custom animations:
  - ➢ $("element").animate({ properties }, duration);

Example:

   $("#myDiv").animate({ left: '250px' }, 1000);

3. How to create a slider with animation?

Ans. Creating a slider with animation in jQuery typically involves combining HTML, CSS, and jQuery. Here is a basic example:

- **HTML:**

   ```
   <div id="slider">
           <img src="image1.jpg" class="slide">
           <img src="image2.jpg" class="slide">
           <img src="image3.jpg" class="slide">
       </div>
   ```

- **CSS:**

```css
#slider
{
        width: 300px;
        overflow: hidden;
 }
.slide
{
         width: 300px;
        display: none;
}
.slide:first-child
 {
        display: block;
}
```

- **jQuery:**

```javascript
$(document).ready(function()
{
        setInterval(function()
{
        $('#slider .slide:first')
                .fadeOut(1000)
                .next('.slide')
                .fadeIn(1000)
                .end()
                .appendTo('#slider');
        }, 3000);
 });
```