(JQUERY)

(Q-01): What is jQuery?

Answer:

- 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.

- jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

The jQuery library contains the following features:

- HTML/DOM manipulation

- CSS manipulation

- HTML event methods

- Effects and animations

- AJAX

- Utilities

(Q-02): How to Apply CSS Using jQuery, How to Add Class and Remove Class in jQuery, jQuery Animation?

How to Apply CSS Using jQuery:

You can apply CSS to elements using jQuery by using the `.css()` method.

Syntax for Applying CSS:

- `$().css(propertyname, value);`

- `$().css(properties);`

Adding CSS Classes to an Element:

To add CSS classes to an element, you can use the `.addClass()` method.

Syntax for Adding CSS Classes:

- `$('selector').addClass(class_name);`

Removing CSS Classes from an Element:

To remove CSS classes from an element, you can use the `.removeClass()` method.

(JQUERY)

Syntax for Removing CSS Classes:

- `$('selector').removeClass(class_name);`

jQuery Animation:

The jQuery `animate()` method is used to create custom animations.

Syntax for jQuery Animation:

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

Example of jQuery Animation:

```javascript
$("button").click(function(){
  $("div").animate({left: '250px'});
});
```

(Q-03): How to create a slider with animation in jQuery?

Code:

```html
<div class="container">
  <div class="slider">
   <ul class="slides">
    <li class="slide"><img src="slider1.jpg" /></li>
    <li class="slide"><img src="slider2.jpg" /></li>
    <li class="slide"><img src="slider3.jpg" /></li>
    <li class="slide"><img src="slider4.jpg" /></li>
    <li class="slide"><img src="slider5.jpg" /></li>
   </ul>
  </div>
  <div class="buttons">
   <button type="button" class="btn btn-default pause">
```

(JQUERY)

```
    <span class="glyphicon glyphicon-pause"></span>
  </button>
  <button type="button" class="btn btn-default play">
    <span class="glyphicon glyphicon-play"></span>
  </button>
 </div>
</div>
```