

Assignment

jQuery Basic, Effects & Advanced

1. What is jQuery?

- 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. Elaborating the terms, it simplifies HTML document traversing and manipulation, browser event handling, DOM animations, Ajax interactions, and cross-browser JavaScript development.

Why to use jQuery :-

- It helps us to manipulate HTML and CSS
- It helps us to manipulate DOM (Document Object Model) elements
- Provides event methods to trigger and respond to an events on a html page such as mouse click, keypress etc.
- Implements AJAX calls.

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

- In this article, we will see how to add or remove the CSS classes to an element using jQuery. To add the CSS classes to an element we use `addClass()` method, and to remove the CSS classes we use `removeClass()` method.

- Syntax :-

The syntax for adding CSS classes to an element:

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

The syntax for Removing CSS classes to an element:

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

3. How to create slider with animation?

- With jQuery you can create a sliding effect on elements. jQuery has the following slide methods:

```

slideDown() slideUp()
var slideIndex = 1;
displaySlide(slideIndex);
function moveSlides(n) {
displaySlide(slideIndex += n);
}

function activeSlide(n) {
displaySlide(slideIndex = n);
}

/* Main function */
function displaySlide(n) {
var i;
var totalslides =
document.getElementsByClassName("slide");
var totaldots =
document.getElementsByClassName("footerdot");

if (n > totalslides.length) {
slideIndex = 1;
}

if (n < 1) {
slideIndex = totalslides.length;
}
for (i = 0; i < totalslides.length; i++) {
totalslides[i].style.display = "none";
}
for (i = 0; i < totaldots.length; i++) {
totaldots[i].className =
totaldots[i].className.replace(" active", "");
}
totalslides[slideIndex - 1].style.display = "block";
totaldots[slideIndex - 1].className += " active";
}

```