

- What is JQuery?

jQuery is a popular open-source JavaScript library that simplifies web development by providing a wide range of functions and features to work with HTML, CSS, and the Document Object Model (DOM). It was first released in 2006 and quickly gained popularity due to its ease of use and cross-browser compatibility.

jQuery allows developers to easily manipulate HTML and CSS elements, handle events, and create animations and effects on a webpage. It also provides a simplified syntax for making AJAX (Asynchronous JavaScript and XML) calls, making it easy to retrieve data from a server without reloading the entire page.

- How to Apply CSS Using JQuery, How to Add Class and Remove Class in JQuery, JQuery Animation?

1. Applying CSS Using jQuery: To apply CSS using jQuery, you can use the `.css()` method, which allows you to set one or more CSS properties for an element. The method takes two parameters: the CSS property to set and the value to apply. For example, to change the color of all paragraphs on a page to red, you could use the following code:
`$("p").css("color", "red");`

- How to create slider with animation?

To create a slider with animation using jQuery, you can use the `animate()` method to move the slides horizontally or vertically based on user interaction or a timer. Here is an example code snippet for a horizontal slider:

```
.slider {  
    width: 600px;  
    height: 300px;  
    overflow: hidden;  
}
```

```
.slides {  
    width: 1800px;  
    height: 300px;
```

```
display: flex;
transition: transform 0.4s ease-in-out;
}
```

```
.slide {
  flex: 1;
  margin-right: 10px;
}
```

```
img {
  width: 100%;
  height: 100%;
  object-fit: cover;
}
```