**Lecture-10: Introduction to jQuery and Selectors**

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**Topics to Be Covered Later:**

* Functions
* Arrays
* JSON (JavaScript Object Notation)

JSON is used to convert a text into a string. We use **`.stringify`** to achieve this conversion.

### jQuery:

Syntax: **`$('.selector').action()`**

There are four types of selectors, but typically, only three are mentioned in interviews:

1. ID Selector
2. Class Selector
3. Element Selector

* 4. Universal Selector (selects all elements)

In the **`<head>`** section of your HTML, include the jQuery library using the following script tag:

    <script src="js/jquery-3.6.0.min.js"></script>

### jQuery Actions:

* **`slideup`**
* **`slidedown`**
* **`fadein`**
* **`fadeout`**

### Animate Method:

The **`animate`** method in jQuery takes two parameters:

1. Properties (styles to be animated)
2. Timing (duration of the animation)

### Opacity:

Setting the opacity of an element to 0.1 means making it very light in color, and setting it to 1 means making it completely opaque.