**Module 5 -(jQuery Basic, Effects & Advanced)**

Q-1 What is jQuery?

Ans - jQuery is a small, light-weight and fast JavaScript library. It is cross-platform and supports different types of browsers. It is also referred as? write less do more? because it takes a lot of common tasks that requires many lines of JavaScript code to accomplish, and binds them into methods that can be called with a single line of code whenever needed. It is also very useful to simplify a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

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

Ans- We are going to use jQuery and jQuery UI. jQuery UI (User Interface) is free and open-source software that is built on top of the core powerful jQuery library. If you want to use jQuery UI, you must include jQuery too. jQuery UI provides more features like add Class, colour animation and easing, etc.

<!DOCTYPE html>

<html>

<head>

<style>

#btn {

padding: 10px 8px;

color: green;

background-color: rgba(122, 122, 122, 0.322);

border-radius: 12px;

}

.geeks {

font-size: 40px;

color: green;

font-family: "Segoe UI", Tahoma, Geneva, Verdana, sans-serif;

text-shadow: 2px 2px 4px #880a0a;

letter-spacing: 2px;

}

</style>

<!-- JQuery CDN -->

<script src=

"https://code.jquery.com/jquery-3.6.0.min.js"

integrity=

"sha256-/xUj+3OJU5yExlq6GSYGSHk7tPXikynS7ogEvDej/m4="

crossorigin="anonymous">

</script>

<!-- JQuery UI CDN -->

<script src=

"https://cdnjs.cloudflare.com/ajax/libs/jqueryui/1.12.1/jquery-ui.min.js">

</script>

<script>

$(document).ready(function () {

$("#btn").click(function () {

$("h2").addClass("geeks", 2000, myCallback);

});

function myCallback() {

setTimeout(function () {

$("h2").removeClass("geeks");

}, 3000);

}

});

</script>

</head>

<body>

<h2>Welcome to GeeksForGeeks.</h2>

<button id="btn">

Click to see the effect</button>

</body>

</html>

Q-3 How to create slider with animation?

Ans-

**Step 1: Come up with a strategy for the slider**

You can make as many modifications as you want to Slider Revolution templates. That’s the great thing about using this plugin — you can have as much or as little control over the premade slider designs as you want.

That said, if you want to get the best results from the Website Intro Slider template, we’d recommend updating the main content — the background image, text layers, and button — and leaving everything else as is.

This is what the first slide looks like on the backend of the Slider Revolution editor:

### Step 2: Update the background image in each slide

There are a couple of things to keep in mind when adding your own background images to this slider template.

The first is that you want the text in the centre of the graphic to remain the focus of the slide. While there are ways to adjust the styling of the text so that it contrasts well with any background imagery, it’s not a bad idea to pick visuals that frame the text well so your messaging has room to breathe.

Another thing to consider is the content of the imagery. If you look at the template example, there’s a lot of flavour in each photo. Bright colours. Dramatic content. Intriguing details. This is why decorative images that do little more than add texture or act as a filler won’t work as well in this slider.

**Step 3: Update the text layers in each slide**

Hero images usually have three text layers in them:

* A short and engaging header
* A descriptive and lengthier sub header
* A call-to-action button

In this step, we’re going to tackle the first two.

When writing copy for a multi-image slider, it’s always best to craft copy that’s more or less the same length from slide to slide. That way, the slider has a more cohesive feel and no one slide requires more work or focus than the others. It also gives the text a consistent look from slide to slide.

Just as you did with the images, spend some time writing your copy behind the scenes. Aim for headers with no more than five words and sub headers that are no more than a sentence long.