

Web Designing Assignment

Module- 5 (jQuery Basic, Effects & Advanced)

Q-1) What is jQuery?

(Ans.):- jQuery is a fast, small, & feature-rich JavaScript library. It is designed to simplify the client-side scripting of HTML.

- The main purpose of jQuery is to provide an easy way to use JavaScript on your website to make it more interactive and attractive. It is also used to add animation.
- **jQuery** is an open source JavaScript library that simplifies the interactions between an HTML/CSS document, or more precisely the Document Object Model(DOM), & JavaScript.
- **jQuery** is widely famous with its philosophy of “**Write less, do more.**”
- **jQuery** is a small, fast & lightweight JavaScript library.
- **jQuery** is platform independent.
- **jQuery** means “write less do more”.
- **jQuery** simplifies AJAX call and DOM manipulation.

jQuery Features:-

Following are the important features of jQuery.

- HTML manipulation
- DOM manipulation
- DOM element selection
- CSS manipulation
- Effects and animations
- JSON parsing

Q-2) How to Apply CSS using jQuery, How to Add Class and Remove Class in jQuery, jQuery animation?

(Ans.): - The **css() method** in **jQuery** is used to change the style property of the selected element. This method can be used in different ways.

- The **css() method** can be used to get/return the present value of the property of the selected element.

SYNTAX:- \$(selector).css(property, value)

EXAMPLE:-

```
<!DOCTYPE html>
<html>

<head>
    <script src=
"https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js">
    </script>
</head>

<body>
    <button>
        Click here and it will return the
        color value of p element
    </button>
    <p style="color:green">Welcome to gfg!</p>
</body>
<script>
    $(document).ready(function () {

        // Here selecting button element
        $("button").click(function () {

            // When the button is clicked, css() method
```

```
        // will return the value using alert method
        alert($(".p").css("color"));
    });
});
</script>

</html>
```

❖ How to Add Class and Remove Class in jQuery, jQuery animation?

- **addClass() method:-** It is used to add specified classes to each of the targeted elements while animating all style changes.

➤ **Syntax:-** .addClass(className, [duration], [easing], [callback])

- **removeClass() method:-** It is used to remove the classes from the element while animating all style changes.

➤ **Syntax:-** .removeClass(className, [duration], [easing], [callback])