

HomeWork

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Q1) Create a webpage using jQuery that contains three buttons to change the background color of the entire page to red, blue, or green, depending on which button is clicked. Additionally, add a separate button that toggles the visibility of all <div> elements on the page. When the toggle button is clicked, the <div> elements should either be shown or hidden based on their current visibility state. Ensure that the background color change and visibility toggle functionalities work smoothly together.

Code:-

```
<html>

<head>

<title>Ahab Anwer, Homework Q-1</title>

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

<script>

$(document).ready(function() {

$('#btn1').click(function() {

$('body').css('background-color', 'red');

});

$('#btn2').click(function() {

$('body').css('background-color', 'blue');

});

$('#btn3').click(function() {

$('body').css('background-color', 'green');

});

$('#btn4').click(function() {

$('.content').toggle();

});

});

</script>
```

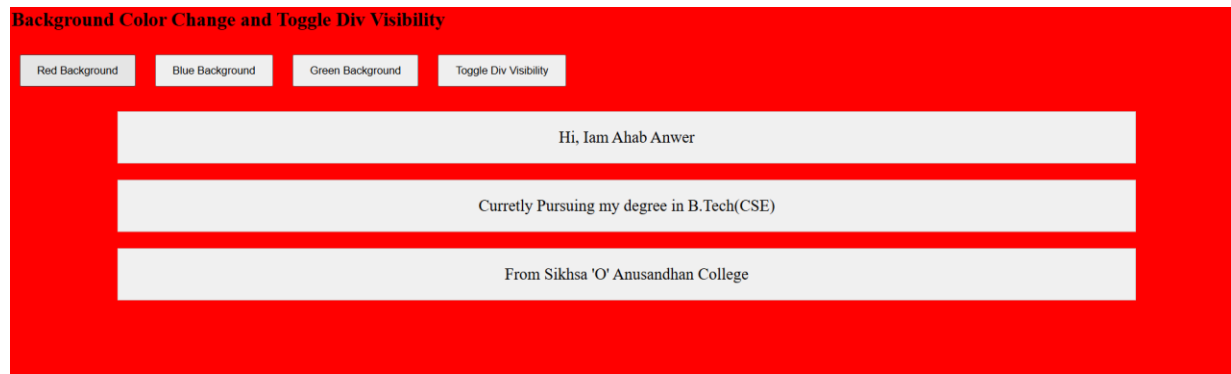
```

<style>
    button {
        padding: 10px 20px;
        margin: 10px;
        cursor: pointer;
    }
    .content {
        width: 80%;
        margin: 20px auto;
        padding: 20px;
        background-color: #f0f0f0;
        border: 1px solid #ccc;
        text-align: center;
        font-size: 20px;
    }
</style>
</head>
<body>
<h2>Background Color Change and Toggle Div Visibility</h2>
<button id="btn1">Red Background</button>
    <button id="btn2">Blue Background</button>
    <button id="btn3">Green Background</button>
    <button id="btn4">Toggle Div Visibility</button>
    <div class="content">Hi, I am Ahab Anwer</div>
    <div class="content">Currently Pursuing my degree in B.Tech(CSE)</div>
    <div class="content">From Sikhsa 'O' Anusandhan College</div>
</body>
</html>

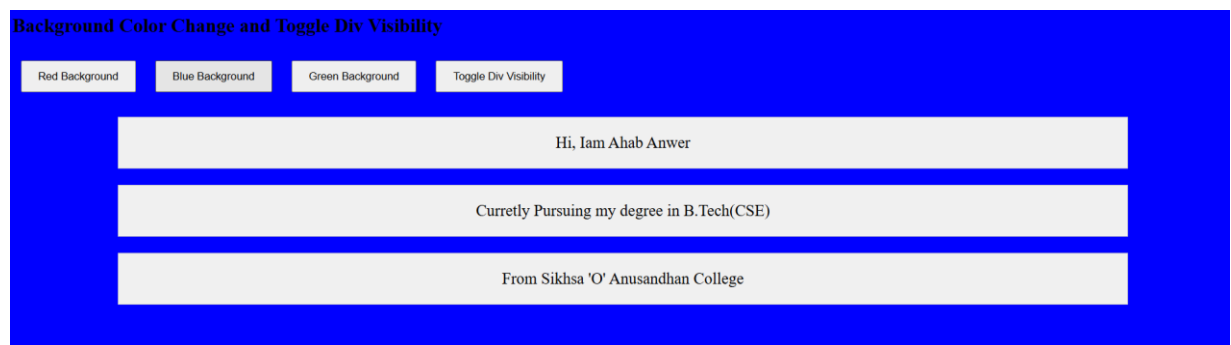
```

OUTPUT:-

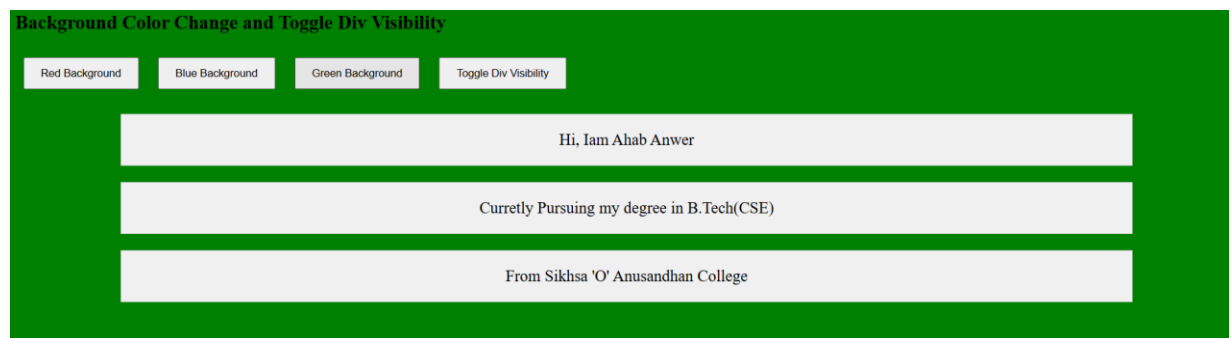
RED



Blue



Green



Toggle Div



Q2)Write a jQuery program to perform the following actions on a <div> element: when the user clicks on the <div>, its text should change to 'Clicked!"; when the user double clicks, the background

color should change to orange; when the user hovers (mouse enters) over the <div>, the border color should change to green; and when the user moves the mouse away (mouse leaves), the border color should revert to black. The<div> should initially have a light blue background, a black border, and centered text.

CODE:-

```
<html >

<head>

    <title>Ahab Answer, Homework Q-2</title>

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

<script>

$(document).ready(function() {

$('#btn1').click(function() {

$('#btn1').text('Clicked!');

    });

$('#btn1').dblclick(function() {

$('#btn1').css('background-color', 'orange');

    });

$('#btn1').mouseenter(function() {

$('#btn1').css('border-color', 'green');

    });

$('#btn1').mouseleave(function() {

$('#btn1').css('border-color', 'black');

    });

});

</script>

<style>

    #btn1 {

        width: 200px;

        height: 100px;

        background-color: lightblue;

        border: 2px solid black;

        display: flex;
```

```
        justify-content: center;
        align-items: center;
        font-size: 20px;
        color: black;
margin: 50px auto;
cursor: pointer;
box-shadow:0px 8px 16px rgba(0,0,0,0.7);
    }
```

```
</style>
```

```
</head>
```

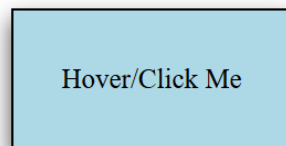
```
<body>
```

```
<div id="btn1">Hover/Click Me</div>
```

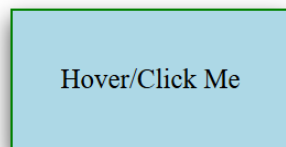
```
</body>
```

```
</html>
```

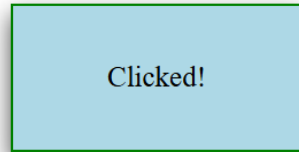
OUTPUT:-



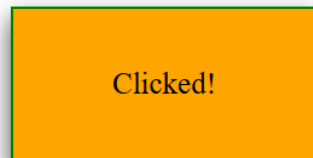
Hover



Single Click



Double Click



Q3) Write a jQuery program that starts an animation on a <div> element when a 'Start' button is clicked and stops the animation when a 'Stop' button is clicked. The animation should increase the width of the <div> from 100px to 400px over 2 seconds. If the 'Stop' button is clicked during the animation, the <div> should immediately stop resizing at its current width

CODE:-

```
<html>

<head>

<title>Ahab Anwer, Homework Q-3</title>

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

<script>

$(document).ready(function() {

$('#btn1').click(function() {

$('#animated').animate({ width: '400px' }, 2000);

});

$('#btn2').click(function() {

$('#animated').stop();

});

});

</script>
```

```

<style>
#animated {
    width: 100px;
    height: 50px;
    background-color: lightcoral;
    margin: 20px auto;
    text-align: center;
    line-height: 50px;
    color: white;
    font-size: 18px;
}
button {
    padding: 10px 20px;
    margin: 10px;
    font-size: 15px;
    cursor: pointer;
}
</style>
</head>
<body>
<button id="btn1">Start</button>
<button id="btn2">Stop</button>
<div id="animated">Animate Me</div>
</body>
</html>

```

OUTPUT:-



Stopped

Start

Stop

Animate Me

Full Animation

Start

Stop

Animate Me