

Ex. No. 7	Website Design with JQuery Actions
Date of Exercise	18-09-2022
Web Host Link	https://ysriganesh.github.io/webapp/web%207/exp71.html https://ysriganesh.github.io/webapp/exp-7/first.html
Youtube Link	https://youtu.be/Srutay7LDOc

Aim

To create a web page using HTML, CSS and JQuery actions.

Description

`<!DOCTYPE>`- It is an information to the browser about what document type to expect. The syntax is `<!DOCTYPE html>`

`<html> </html>`- The `<html>` tag represents the root of an HTML document and it is the container for all other HTML elements.

headings- HTML headings are defined with the `<h1>` to `<h6>` tags. The `<h1>` defines the most important heading and `<h6>` tag depicts the least important heading.

image- The `` tag is used to embed in an image in the html page. Images are linked to the web pages.

anchor- The `<a>` tag defines the hyperlink which is used to link one page from another. The most important attribute is href attribute that indicates the destination of the link.

title- The `<title>` tag defines the title of the document. It is displayed in the title bar of the browser or in the tab of the page.

head- The `<head>` element is a container for meta data and is placed between the `<html>` tag and the `<body>` tag.

body- The `<body>` tag defines the body of the document. It contains all of the contents of an

html document such as headings, paragraph, hyperlinks, images, lists and tables etc.

input tag- The <input> tag specifies an input field where the user can enter data.

The \$(document).ready() method is used to execute a function when the document is fully loaded.

The click() method attaches an event handler function to an HTML element.

The jQuery #id selector uses the id attribute of an HTML tag to find the specific element.

The jQuery .class selector finds elements with a specific class.

animate()- method is used to create custom animations.

Function – A JavaScript function is a block of code designed to perform a particular task.

Id – The HTML id attribute is used to specify a unique id for an HTML element.

<h1> -The <h1> tag defines the most important heading. It should be used for main headings.

<div> tag- defines a division or a section in an HTML document. It is used as a container forHTML elements.

Program

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
  <link rel="stylesheet" href="expe7.css">
  <script>
    $(document).ready(function () {
      $('#b1').click(function () {
        let d1 = $('#t1').val();
        let m1 = $('#t2').val();
        let y1 = $('#t3').val();
        let date = new Date();
        let d2 = date.getDate();
        let m2 = 1 + date.getMonth();
        let y2 = date.getFullYear();
        let month = [31, 28, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31];
```

```
        if (d1 > d2) {
            d2 = d2 + month[m2 - 1];
            m2 = m2 - 1;
        }
        if (m1 > m2) {
            m2 = m2 + 12;
            y2 = y2 - 1;
        }
        let d = d2 - d1;
        let m = m2 - m1;
        let y = y2 - y1;
        $('#box').html("Age Details ");
        $('#result').html(+y + " years " + m + " months " + d + " days")

    })
})
</script>
<title>Document</title>
</head>

<body>
    <div id="d1">Age Calculator</div>
    <div id="d2">Enter the Birth Date</div>
    <p>Day <br><input id="t1" type="text"></p><br>
    <p>Months <br><input id="t2" type="text"></p><br>
    <p>Years <br><input id="t3" type="text"></p><br>
    <button id="b1">Final Age</button><br><br>
    <hr>
    <hr>
    <br><br>
    <div id="box"></div>
    <div id="result" type="text" readonly></div>
</body>

</html>
```

Secound Question:

```
<html>
<head>
  <title>Car Racing Game In jQuery</title>

  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
  <link rel="stylesheet" href="stylesheet.css">
  <script>
    $(document).ready(function(){
      $('#Go').click(function(){
function CheckIfComplete() {
  if (isComplete == false) {
    isComplete == true;
  } else {
    Place = 'Second';
  }
}
var CarWidth = $('#Car1').width();
var RaceTrackWidth = $(window).width() - CarWidth;
var RaceTime1 = Math.floor((Math.random() * 5000) + 1);
var RaceTime2 = Math.floor((Math.random() * 5000) + 1);
var isComplete = false;
var Place = 'First';

    $('#Car1').animate({
      left: RaceTrackWidth
    }, RaceTime1, function() {
      CheckIfComplete();
      $('#RaceInfo1 span').text('Finished in ' + Place + ' place & Clocked in
at ' + RaceTime1 + ' ms');
    });

    $('#Car2').animate({
      left: RaceTrackWidth
    }, RaceTime2, function() {
      CheckIfComplete();
      $('#RaceInfo2 span').text('Finished in ' + Place + ' place & Clocked in
at ' + RaceTime2 + ' ms');
    });
```

```
$('#Reset').click(function() {
    $('.Car').css('left', '0');
    $('.RaceInfo span').text("");
});

});
});
</script>

</head>

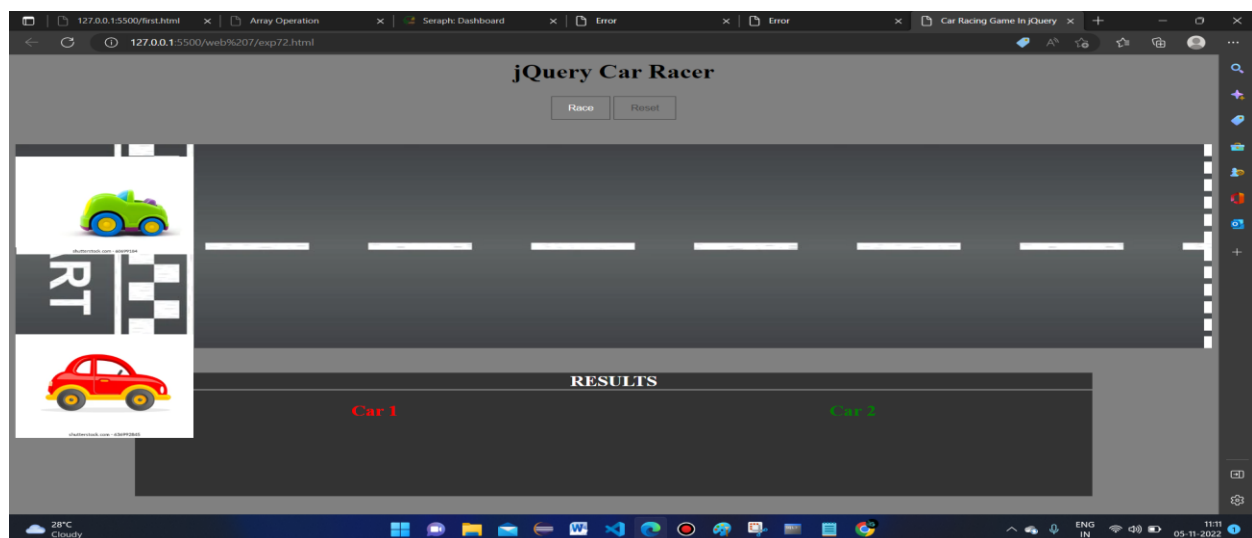
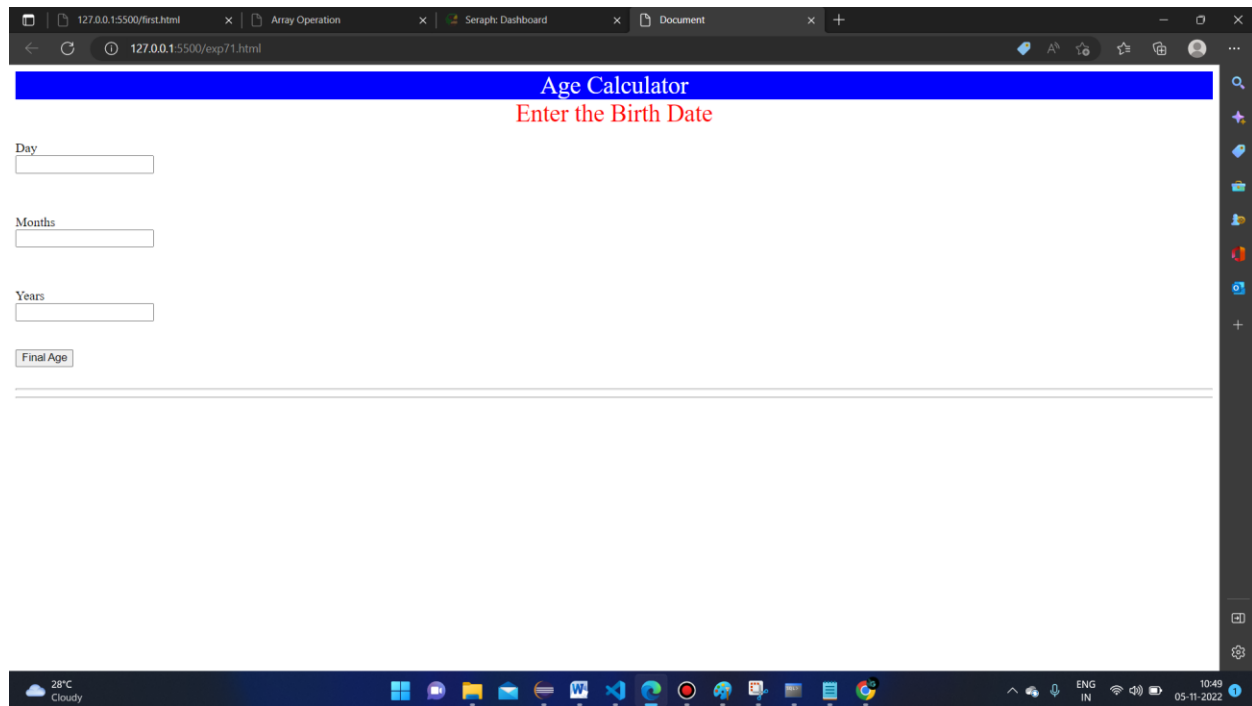
<body id="Race">
    <h1>jQuery Car Racer</h1>
    <input type="button" value="Race" id="Go">
    <input type="button" value="Reset" id="Reset">

    <div id="RaceTrack">
        
        
    </div>

    <div id="RaceInfoCntnr" class="ClearFix">
        <h2>Results</h2>
        <div id="RaceInfo1" class="RaceInfo">Car 1 <span></span>
        </div>
        <div id="RaceInfo2" class="RaceInfo">Car 2 <span></span>
        </div>
    </div>

    <!--Load CDN First-->
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
    <!--If CDN Fails to load, serve up the local version-->
    <script>
        window.jQuery || document.write('<script src="jQuery.js"></script>');
    </script>
</body>
</html>
```

Output



Result

Here we have done the web development using jquery Action frame work