

# ASSIGNMENT-3 FOR JQUERY

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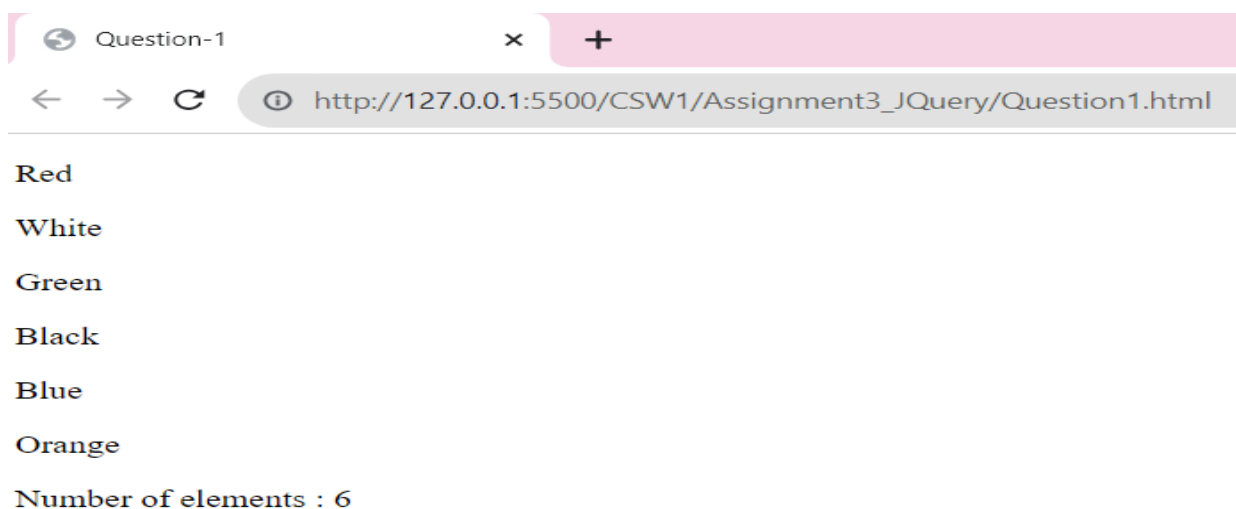
Note-jquery.js is already saved on the machine as the cdn of jquery

Question-1: Count child elements using jQuery. Note: Count number of "p" elements from .

CODE:~

```
<!DOCTYPE html>
<html>
  <head>
    <title>Question-1</title>
    <script src="jquery.js">
    </script>
    <script>
      $(document).ready(function(){
        var count = $("#selected p").length;
        $("#selected").after("Number of elements : "+count);
      });
    </script>
  </head>
  <body>
    <div id="selected">
      <p>Red</p>
      <p>White</p>
      <p>Green</p>
      <p>Black</p>
      <p>Blue</p>
      <p>Orange</p>
    </div>
  </body>
</html>
```

OUTPUT:~

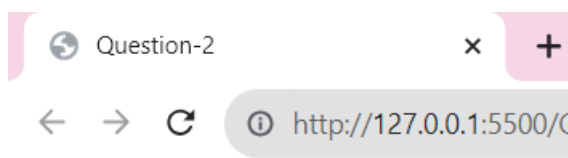


## Question 2. Attach a click and double-click event to the element

CODE:~

```
<!DOCTYPE html>
<html>
  <head>
    <title>Question-2</title>
    <script src="jquery.js">
    </script>
    <script>
      $(document).ready(function(){
        $(".p1").click(function(){
          alert("you clicked me once.");
        });
        $(".p2").dblclick(function(){
          alert("you clicked me twice.");
        });
      });
    </script>
  </head>
  <body style="font-size: 30px; color:crimson">
    <p class="p1">Click me Once</p>
    <p class="p2">Click me twice</p>
  </body>
</html>
```

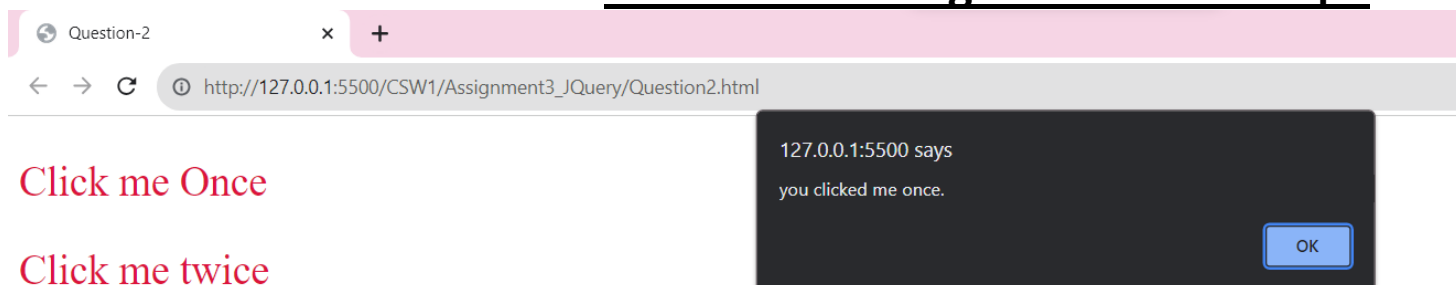
OUTPUT:~



Click me Once

Click me twice

After Clicking Once on the p:



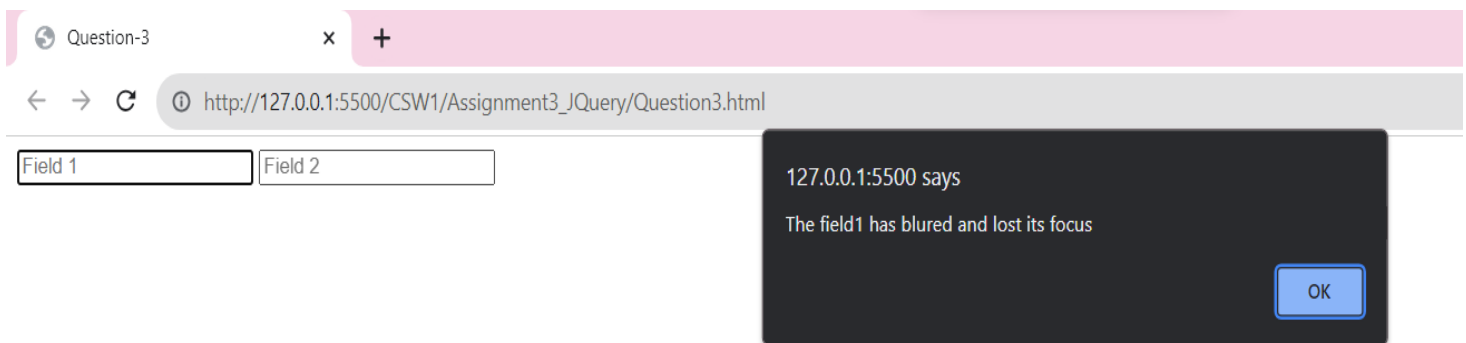
Question 3. Attach a function to the blur event. The blur event occurs when the following Field1 loses focus

CODE:~

```
<!DOCTYPE html>
<html>
  <head>
    <title>Question-3</title>
    <script src="jquery.js"></script>
    <script>
      $(document).ready(function () {
        $("#field1").blur(function () {
          alert("The field1 has blurred and lost its focus");
        });
      });
    </script>
  </head>

  <body>
    <form>
      <input id="field1" type="text" placeholder="Field 1">
      <input id="field2" type="text" placeholder="Field 2">
    </form>
  </body>
</html>
```

## OUTPUT:~



## Question 4. Show a popup box without using JavaScript alert

### CODE:~

```
<!DOCTYPE html>
<html>
  <head>
    <title>Question-4</title>
    <script src="jquery.js"></script>
    <script>
      $(document).ready(function(){

        $("button").click(function(){
          $("#popupbox-container").fadeIn("fast");
        });
      });
    </script>
    <style>
      #popupbox-container {
        display: none;
        position: fixed;
        border: 4px solid cadetblue;
        border-radius: 15px;
        margin: 30px;
        padding: 30px;
        width: 250px;
        height: 100px;
        background-color: rgba(199, 248, 248, 0.7);
        text-align: center;
        color: blue;
        font-size: 35px;
        font-family: 'Franklin Gothic Medium';
      }
      button{
        background-color: #fff;
        padding: 20px;
        border-radius: 5px;
        text-align: center;
      }
    </style>
  </head>
  <body>
    <button>Press me for popup box</button><br>
    <div id="popupbox-container">This is A Pop Up Box</div>
  </body>
</html>
```

## OUTPUT:~



Question 5. Create an HTML page which uses the following methods, (i) slideDown(), (ii) animate(), (iii) fadeIn(), (iv) hide(), (v) show(), (vi) mouseenter(), (vii) dblclick(), (viii) mouseleave(), (ix) attr(), and (x) html().

### CODE:~

```
<html>
<head>
  <title>Question-5</title>
  <script src="jquery.js"></script>
  <style>
    #box1,#box2 {
      width: 200px;
      height: 20px;
      background-color: red;
      display: none;
    }
  </style>
  <script>
    $(document).ready(function(){
      $("#slidedown").click(function(){
        $("#box1").slideDown();
      });
      $("#animation").click(function(){
        $("#ani").css({ color:'red'}, "slow");
        $("#ani").animate({ fontSize:"2em"}, "slow");
      });
      $("#fadein").click(function(){
        $("#box2").fadeIn();
      });
    });
  </script>
</html>
```



```

<div id="mouseen" style="width: 200px; height: 20px; background-
color: green;"></div>
<br>
<p>Enter the mouse on the below div and after that leave the mouse
to change the div color</p>
<div id="mousele" style="width: 200px; height: 80px; background-
color: purple;"></div>
<br><br>
<button id="attr">Image Link source</button>

<br><br><br>
<button id="html">Change Text</button>
<div id="text">This is some text.</div>
</body>
</html>

```

## OUTPUT:~



### Example Page

Click Here to SlideDown

See Animation

Animate

Fade In

Click the Hide Button to hide this line

Hide

Click the Show Button to see some Hidden text

Show

Double-click on the heading.

Double Click on Me to Hide

Enter the mouse to the below div to change the color



Enter the mouse on the below div and after that leave the mouse to change the div color



Image Link source

Change Text

This is some text.

All Functions are working properly~(Texted)

Question 6. Create a page which contains a table and add button which will add rows to this table. Change color of a text on button click. Add a text box and a button. Write code to remove all the elements which ID matches with the text entered in the text box upon clicking on the button

### CODE :-

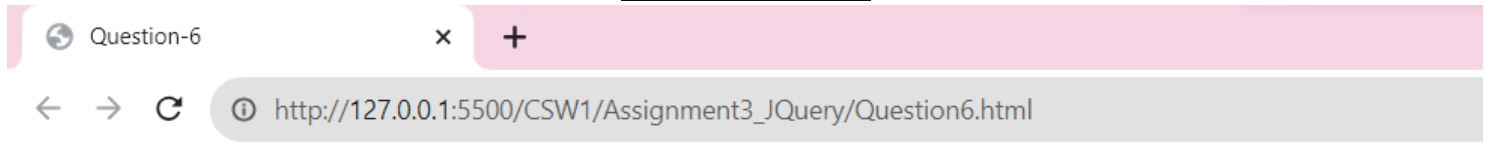
```
<html>
  <head>
    <title>Question-6</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <script src="jquery.js"></script>
    <script>
      $(document).ready(function () {
        $("#btn1").click(function () {
          var nme= $("#name").val();
          var reg=$("#regd").val();
          var s=$("#mark").val();
          var tblid=$("#regd").val();
          $("#table tr:last").after("<tr id="+tblid+" >
<td>"+nme+"</td><td>"+reg+"</td><td>"+s+"</td></tr>");
          $("#f")[0].reset();
          //reset is a jquery function used to reset a form after submitting it.
          //here it is used to reset the input fields,so that the next values can
          be entered easily.
        });
        $("#btn2").click(function () {
          $("#table").addClass("change");
        });
        $("#btn3").click(function () {
          var removeId = $("#remove").val();
          $("#"+removeId).remove();
        });
      });
    </script>
    <style>
      div
      {
        background-color: rgb(207, 252, 255);
        padding: 50px;
        font-size: 20px;
        align-items: center;
        border-radius: 15px;
        margin: 3%;
      }
  </style>
</html>
```





</body>  
</html>

## OUTPUT:~



---

All functions working Successfully.

CODE~

```
<!DOCTYPE html>
<html>
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <head>
        <title>Question-7</title>
        <script src="jquery.js"></script>
        <script>
$(document).ready(function() {
    $("#myForm").submit(function(event){
        event.preventDefault();
        $("#error-box").html("");
        var username = $("#name").val();
        var email = $("#email").val();
        if (username == "" || username==null || email ==
"" || email==null) {
            $("#error-box").html("All fields must be filled
out");
            return;
        }
        alert("Form submitted successfully!");
        $("#myForm")[0].reset();
        //reset is a jquery function used to reset the form
after submitting it
    });
});
</script>
<style>
body{
    background-color:rgb(226, 250, 250);
    display: flex;
    align-items: center;
    justify-content: center;
}

form{
    width: 100%;
    max-width: 500px;
    margin: 8% auto;
    color: rgb(0, 7, 139);
    font-size: larger;
```

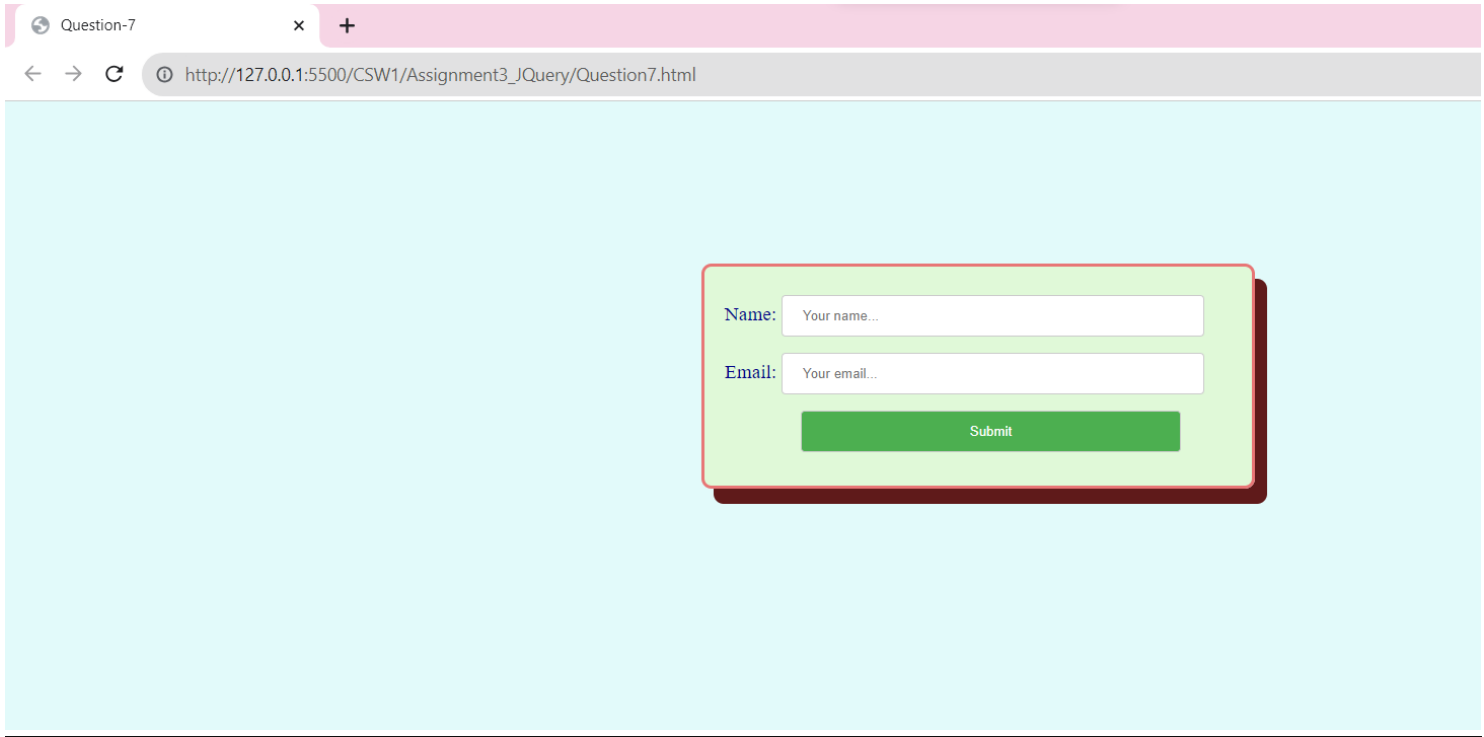
```

padding: 20px;
border: 3px solid #e87676;
background-color: rgba(220, 248, 174, 0.438);
border-radius: 10px;
box-shadow: 12px 15px rgba(95, 26, 26, 0.90);
}
input{
width: 75%;
padding: 12px 20px;
margin: 8px 0;
display: inline-block;
border: 1px solid #ccc;
border-radius: 4px;
}
input[type="submit"] {
background-color: #4caf50;
color: #fff;
cursor: pointer;
margin-left: 75px;
}
input[type="submit"]:hover {
background-color: rgb(7, 125, 131);
}
.error{
color: rgb(250, 67, 67);
margin-top: 5px;
font-size: 25px;
}
</style>
</head>
<body>
<form id="myForm">
<label for="name">Name: </label>
<input type="text" id="name" name="name" value=""
placeholder="Your name..." >

<label for="email">Email: </label>
<input type="email" id="email" name="email" value=""
placeholder="Your email...">
<input type="submit" value="Submit">
<div id="error-box" class="error"></div>
</form>
</body>
</html>

```

# OUTPUT :~



All the given Cases are working Successfully

Question 8. Create a front end page which performs Job listings with filtering. Include data of at least 20 Job categories, 100 jobs. In this challenge, you will need to filter the job listings by the categories selected. You can use HTML, CSS, Java Script (JQuery).

## CODE :~

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <script src="jquery.js"></script>
  <title>Question-8</title>
  <script>
    $(document).ready(function(){
      $("#applyFilter").click(function(){
        var value = $("#categoryFilter").val().toLowerCase();
        $("#myTable tr").filter(function(){
          $(this).toggle($(this).find('td:nth-child(2)').text().toLowerCase().indexOf(value)>-1)
        });
      });
    });
  </script>
  <style>
    body{
      background: rgb(87, 193, 205);
      font-size: 20px;
    }
    table {
      font-family: "sans-serif";
      border-collapse: collapse;
      width: 80%;
      margin-left: 30px;
    }
  </style>
</html>
```

```

    }
    td,th{
        border: 3px solid rgb(245, 166, 47);
        text-align: center;
        padding: 8px;
        background-color: rgb(215, 247, 247);
        color: darkmagenta;
    }
</style>
</head>
<body>
    <h2>JOB LISTINGS</h2>
    <div>
        <label for="categoryFilter">Filter by Category:</label>
        <select id="categoryFilter">
            <option value="Software">Software</option>
            <option value="Design">Design</option>
            <option value="Media">Media</option>
            <option value="Hotel & Travel">Hotel and Travel</option>
            <option value="Market">Market</option>
        </select>
        <button id="applyFilter">Apply Filter</button>
    </div><br>
    <table id="myTable">
        <tr>
            <th>Sl No.</th>
            <th>Job Category</th>
            <th>Job </th>
        </tr>
        <tr>
            <td>1</td>
            <td>Software</td>
            <td>ios Developer</td>
        </tr>
        <tr>
            <td>2</td>
            <td>Software</td>
            <td>Network Administrator</td>
        </tr>
        <tr>
            <td>3</td>
            <td>Design</td>
            <td>Game Designer</td>
        </tr>
        <tr>
            <td>4</td>
            <td>Hotel & Travel</td>
            <td>Chef</td>
        </tr>
        <tr>
            <td>5</td>
            <td>Hotel & Travel</td>
            <td>Event Planner</td>
        </tr>
        <tr>
            <td>6</td>
            <td>Design</td>

```

```
        <td>Fashion Designer</td>
</tr>
<tr>
    <td>7</td>
    <td>Design</td>
    <td>Multimedia Artist</td>
</tr>
<tr>
    <td>8</td>
    <td>Media</td>
    <td>Journalist</td>
</tr>
<tr>
    <td>9</td>
    <td>Media</td>
    <td>Content Creator</td>
</tr>
<tr>
    <td>10</td>
    <td>Market</td>
    <td>Market Research Analyst</td>
</tr>
<tr>
    <td>11</td>
    <td>Software</td>
    <td>QA Engineer</td>
</tr>
<tr>
    <td>12</td>
    <td>Software</td>
    <td>UX/UI Designing</td>
</tr>

<tr>
    <td>13</td>
    <td>Hotel & Travel</td>
    <td>Hotel Manager</td>
</tr>

<tr>
    <td>14</td>
    <td>Market</td>
    <td>Brand Manager</td>
</tr>
<tr>
    <td>15</td>
    <td>Market</td>
    <td>Social Media Coordinator</td>
</tr>
</table>
</body>
</html>
```

# OUTPUT :-

Question-8 x +

http://127.0.0.1:5500/CSW1/Assignment3\_JQuery/Question8.html

## JOB LISTINGS

Filter by Category: Software Apply Filter

Sl No.	Job Category	Job
1	Software	ios Developer
2	Software	Network Administrator
3	Design	Game Designer
4	Hotel & Travel	Chef
5	Hotel & Travel	Event Planner
6	Design	Fashion Designer
7	Design	Multimedia Artist
8	Media	Journalist
9	Media	Content Creator
10	Market	Market Research Analyst
11	Software	QA Engineer
12	Software	UX/UI Designing
13	Hotel & Travel	Hotel Manager
14	Market	Brand Manager
15	Market	Social Media Coordinator

## Filtering category as Software:

Question-8 x +

http://127.0.0.1:5500/CSW1/Assignment3\_JQuery/Question8.html

## JOB LISTINGS

Filter by Category: Software Apply Filter

1	Software	ios Developer
2	Software	Network Administrator
11	Software	QA Engineer
12	Software	UX/UI Designing
18	Software	Server Maintance
19	Software	Database Engineer
24	Software	Data Scientist
25	Software	Cybersecurity Analyst
26	Software	IT Project Manager
34	Software	Graphic Designing



Question 9. Build a game, namely Rock, Paper, Scissors. This Rock, Paper, Scissors game will require the advance skill of both your CSS skills and Java Script. Your users should be able to: (i) View the optimal layout for the game depending on their device's screen size (ii) Play Rock, Paper, Scissors against the computer (iii) Maintain the state of the score after refreshing the browser (optional)

## CODE:~

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <style>
      body {
        font-family: "sans-serif";
        text-align: center;
        font-size: 30px;
        background-color: aliceblue;
        color: rgb(0, 115, 255);
      }
      .game-container
      {
        width: 900px;
        height: 600px;
        background-color: rgb(162, 255, 255);
        border: 4px solid salmon;
        border-radius: 12px;
        padding: 10px;
        margin-left: 312px;
        box-shadow: 12px 12px rgb(50, 101, 255);
      }
      button {
        margin: 80px;
        padding: 15px;
        color: rgb(79, 165, 42);
        font-weight: bold;
        background-color: rgb(255, 234, 118);
        font-size: 20px;
        border-radius: 15px;
        cursor: pointer;
      }
      #result,#myscore{
        background-color: rgb(254, 252, 251);
        display: block;
        width: 600px;
        margin-left: 120px;
        font-size: 30px;
        color: rgb(170, 0, 255);
      }
      #myscore
      {
        color: rgb(240, 36, 36);
        font-weight: bold;
      }
    </style>
    <script src="jquery.js"></script>
    <script >
```

```

let userScore = 0;
let computerScore = 0;
function getScoresFromLocalStorage() {
    const storedUserScore = localStorage.getItem("userScore");
    const storedComputerScore = localStorage.getItem("computerScore");
    if (storedUserScore !== null && storedComputerScore !== null)
    {
        userScore = parseInt(storedUserScore);
        computerScore = parseInt(storedComputerScore);
        updateScoreDisplay();
    }
}
function updateScoresInLocalStorage(){
    localStorage.setItem("userScore", userScore);
    localStorage.setItem("computerScore", computerScore);
}
function updateScoreDisplay() {
    $("#myscore").text("Your Score:"+userScore);
    $("#myscore").append("<br>Computer Score:"+computerScore);
    if(userScore>computerScore)
        $("#myscore").append("<br> You are Winning");
    else if(userScore<computerScore)
        $("#myscore").append("<br> Computer is Winning");
    else
        $("#myscore").append("<br> Tie Between both");
}
$(document).ready(function() {
    getScoresFromLocalStorage();
    $(".choices button").on("click",function() {
        var userChoice = $(this).attr("id");
        const computerChoice = getComputerChoice();
        const result = getResult(userChoice, computerChoice
    );

        updateScore(result);
        $("#result").text("You chose: "+ userChoice);
        $("#result").append("<br>Computer chose : "+computerChoice);
        $("#result").append("<br>"+result)
        updateScoreDisplay();
        updateScoresInLocalStorage();
    });
});
function getComputerChoice(){
    const choices = ["Rock", "Paper", "Scissors"];
    return choices[Math.floor(Math.random() * 3)];
}
function getResult(user, computer) {
    if (user == computer) {
        return "It\'s a tie!";
    } else if ((user == "Rock" && computer == "Scissors") ||
        (user == "Paper" && computer == "Rock") ||
        (user == "Scissors" && computer == "Paper")) {
        return "You win!";
    } else {
        return "You lose!";
    }
}
}

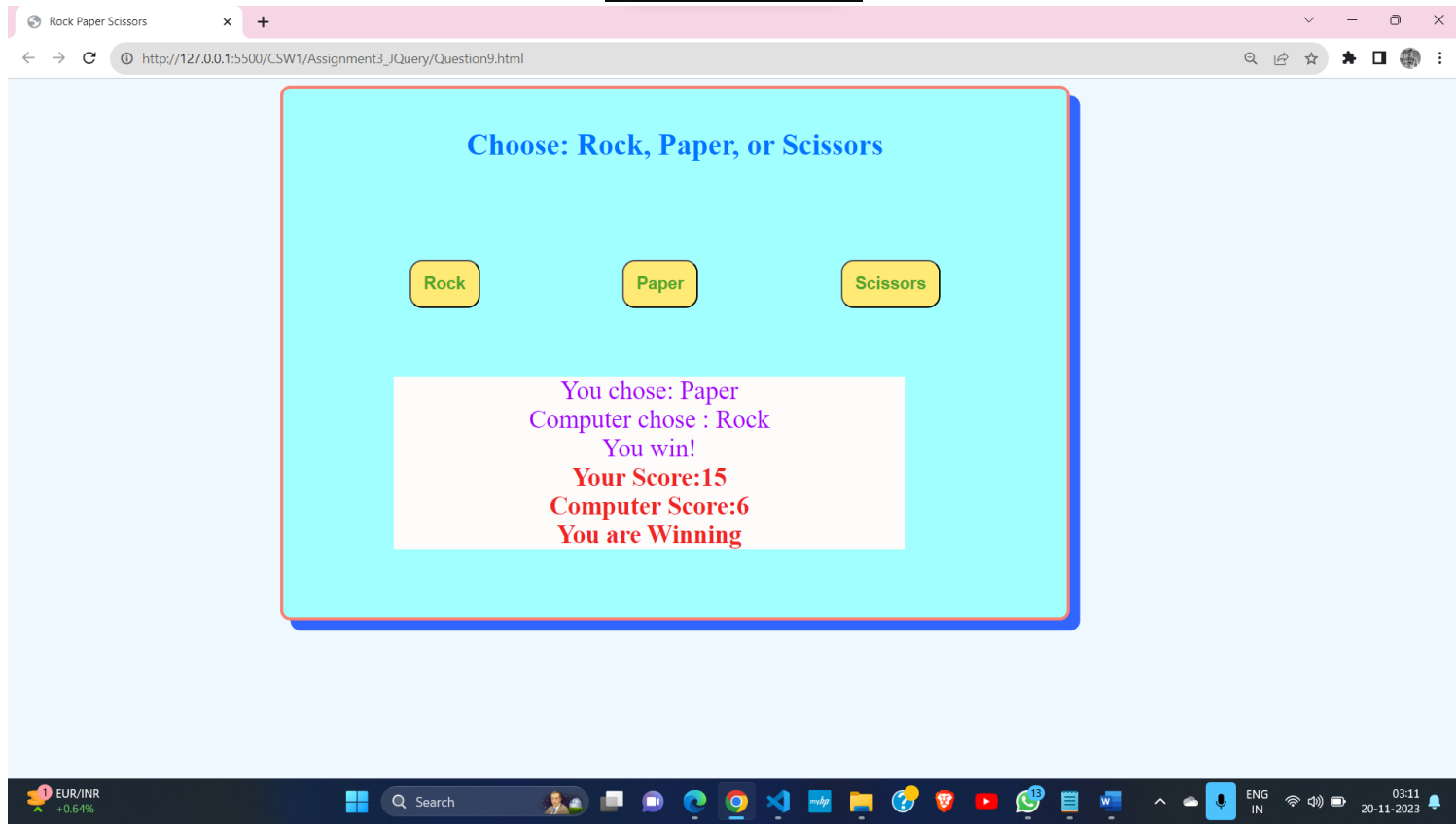
```

```

function updateScore(result) {
    if (result == "You win!") {
        userScore++;
    } else if (result == "You lose!") {
        computerScore++;
    }
}
</script>
<title>Rock Paper Scissors</title>
</head>
<body>
    <div class="game-container">
        <h3>Choose: Rock, Paper, or Scissors</h3>
        <div class="choices">
            <button id="Rock">Rock</button>
            <button id="Paper">Paper</button>
            <button id="Scissors">Scissors</button>
        </div>
        <div id="result"></div>
        <div id="myscore"></div>
    </div>
</body>
</html>

```

## OUTPUT :~



Question 10: Create a multi-page website which uses the optimal layout for each page depending on their device's screen size. The website performs the following. (a) See hover states for all interactive elements throughout the site (b) See the correct content for each team member on the About page when the + icon is clicked (c) Receive an error message when the contact form is submitted if: (i) The Name, Email Address or Message fields are empty should show "This field is required" (ii) The Email Address is not formatted correctly should show "Please use a valid email address"

### CODE:~ index.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    #errorMessages{
      color: brown;
    }
    ul{
      display: block;
      background-color: antiquewhite;
      width: 110px;
      padding: 40px;
      font-size: 40px;
    }
  </style>
  <title>Your Multi-Page Website</title>
</head>
<body>
  <header>
    <nav>
      <ul>
        <li><a href="home.html">Home</a></li>
        <li><a href="about.html">About</a></li>
        <li><a href="contact.html">Contact</a></li>
      </ul>
    </nav>
  </header>
  <div id="errorMessages"></div>
</body>
</html>
```

### about.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>About Us</title>
  <style>
    .team-member-content {
      display: none;
      background-color: antiquewhite;
      color: blueviolet;
      font-size: 25px;
      width: 500px;
    }
  </style>
</head>
```

```

    }
</style>
</head>
<body>

    <h1>About Us</h1>

    <div class="team-member" id="team-member-1">
        <h2>Team Member 1</h2>
        <p class="team-member-content">
            Hii I am Ansuman Swain. <br>
            This page is developed and maintained by me <br>
            &lt;&lt;&lt;&#169;Ansuman Swain&gt;&gt;&gt;
        </p>
        <button onclick="toggleContent('team-member-1')">+</button>
    </div>

    <div class="team-member" id="team-member-2">
        <h2>Team Member 2</h2>
        <p class="team-member-content">
            Content for Team Member 2.
        </p>
        <button onclick="toggleContent('team-member-2')">+</button>
    </div>
    <script>
        function toggleContent(memberId) {
            var content = document.getElementById(memberId).getElementsByClassName('team-
member-content')[0];
            if (content.style.display === 'none' || content.style.display === '') {
                content.style.display = 'block';
            } else {
                content.style.display = 'none';
            }
        }
    </script>
</body>
</html>

```

## Contact.html:

```

<title>Contact us form</title>
<script src="jquery.js"></script>
<script >
    $(document).ready(function() {
        $('#contactForm').submit(function(e) {
            e.preventDefault();
            $('#errorMessages').empty();
            let isValid = true;
            const name = $('#name').val();
            const email = $('#email').val();
            const message = $('#message').val();
            if (name == '') {
                $('#errorMessages').append('<p>This field is required: Name</p>');
                isValid = false;
            }
            if (email == '') {

```

```

        $('#errorMessages').append('<p>This field is required: Email
Address</p>');
        isValid = false;
    }
    if (message == '') {
        $('#errorMessages').append('<p>This field is required:
Message</p>');
        isValid = false;
    }
    if (isValid)
    {
        alert('Form submitted successfully!');
    }
    else
    {
        alert('Fill Out All fields');
    }
    });
});
</script>
<style>
#errorMessages{
    color:red;
    font-size: 25px;
}
body{
    background-color:rgb(226, 250, 250);
    display: flex;
    align-items: center;
    justify-content: center;
}
form{
    width: 600px;
    color: rgb(0, 7, 139);
    font-size: 20px;
    padding: 20px;
    border: 3px solid #e87676;
    background-color: rgba(220, 248, 174, 0.438);
    border-radius: 10px;
    box-shadow: 12px 15px rgba(95, 26, 26,90);
}
input,textarea{
    width: 75%;
    padding: 12px 20px;
    margin: 8px 0;
    display: inline-block;
    border: 1px solid #ccc;
    border-radius: 4px;
}
input[type="submit"] {
    background-color: #4caf50;
    color: #fff;
    cursor: pointer;
    margin-left: 75px;
}
input[type="submit"]:hover {
    background-color: rgb(7, 125, 131);

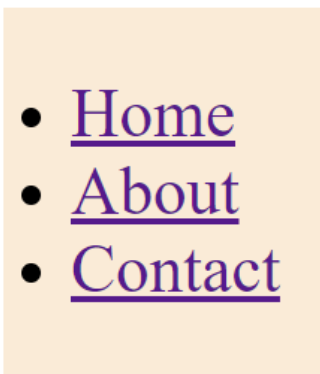
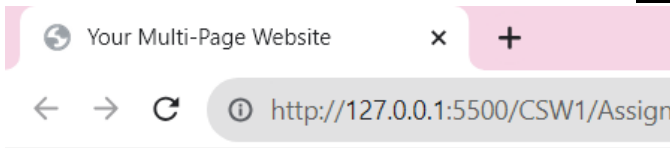
```

```

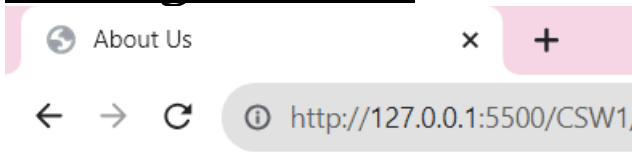
    }
</style>
<div class="page-content">
<form id="contactForm">
    <label for="name">Name:</label>
    <input type="text" id="name" name="name"><br>
    <label for="email">Email Address:</label>
    <input type="email" id="email" name="email"><br>
    <label for="message">Message:</label>
    <textarea id="message" name="message"></textarea>
    <input type="submit" value="Submit">
</form>
<div id="errorMessages"></div>
</div>

```

## OUTPUT:~ index.html:



## Clicking on About:



## About Us

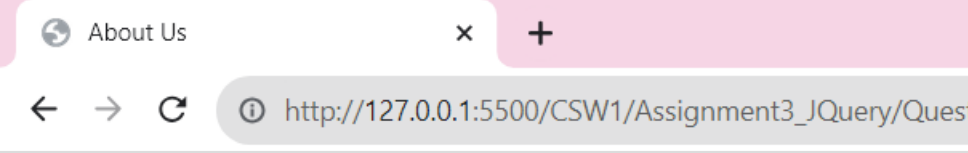
### Team Member 1



### Team Member 2



# Clicking on +



## About Us

### Team Member 1

Hii I am Ansuman Swain.  
This page is developed and maintained by me  
<<<©Ansuman Swain>>>



### Team Member 2



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