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Ex1)

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>The jQuery Example</title>
    <script type="text/javascript" src="jquery-3.7.1.min.js.js"></script>
    <script type="text/javascript" language="javascript">
        $(document).ready(function(){
            $("div").click(function(){
                alert("Hello World!");
            })
        })
    </script>
</head>
<body>
    <div id="mydiv">Click on this to see a dialogue box</div>
</body>
</html>
```

Ex2)

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Lab 2 ex 2</title>
    <script type="text/javascript" src="jquery-3.7.1.min.js.js"></script>
    <script type="text/javascript" language="javascript">
        $(document).ready(function(){
            $("p").css("background-color", "yellow");
            $("#myid").css("background-color", "red");
        })
    </script>
</head>
<body>
```

```html
    <div>
        <p class="myclass">This is a paragraph</p>
        <p id = "myid">This is second paragraph</p>
        <p>This is third paragraph</p>
    </div>
</body>
</html>
```

Ex3)
```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
content="width=device-width, initial-scale=1.0">
    <title>The jQuery Example</title>
    <script type="text/javascript" src="jquery-
3.7.1.min.js.js"></script>
    <script type="text/javascript"
language="javascript">
        $(document).ready(function(){
            var title = $("p").attr("title");
            $("#divid").text(title);
            $("#myimg").attr({"src": "img.jpg",
"width":"500" })
        })
    </script>
</head>
<body>
  <div>
  <p title="Bold and Brave">This is first paragraph</p>
  <p id="myid">This is second paragraph</p>
  <div id="divid"></div>
  <img id="myimg" alt="Sample image">
  </div>
</body>
</html>
```

Ex4)
```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>The jQuery Example</title>
    <script type="text/javascript" src="jquery-3.7.1.min.js.js"></script>
    <script type="text/javascript" language="javascript">
        $(document).ready(function(){
            $("div").click(function(){
                $(this).replaceWith("<h1>JQuery is Great</h1>")
            })
        })
```
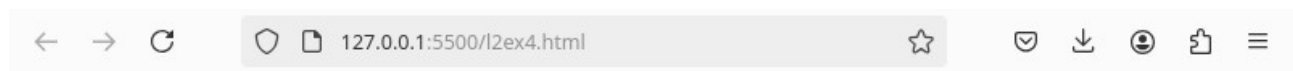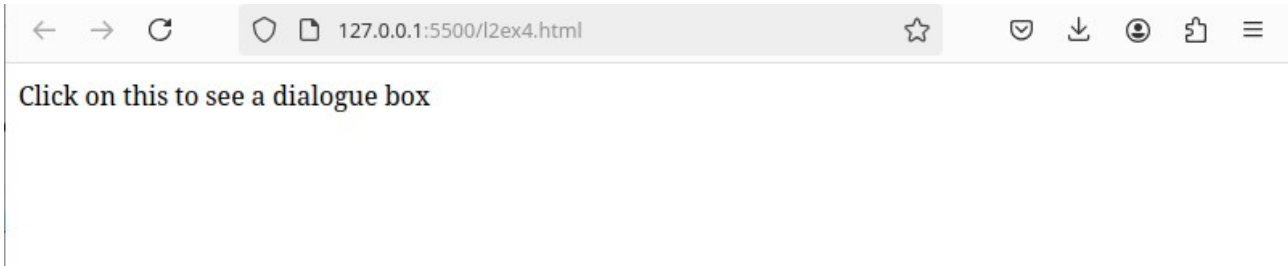
```
    </script>
</head>
<body>
    <div>Click on this to see a dialogue box</div>
</body>
</html>
```


Ex5)
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>The jQuery Example</title>
    <script type="text/javascript" src="jquery-3.7.1.min.js.js"></script>
    <script type="text/javascript" language="javascript">
        $(document).ready(function(){
            $("#button").click(function(){
                $(this).val("Stop that!");
            })
        })
    </script>
</head>
<body>
    <div id="mydiv">Click on this to see a dialogue box</div>
    <input type="button" id="button">
</body>
</html>
```

Ex6)
```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>The jQuery Example</title>
    <script type="text/javascript" src="jquery-3.7.1.min.js.js"></script>
    <script type="text/javascript" language="javascript">
        $(document).ready(function(){
            $("div").hover(function(){
                $(this).css({"background-color" : "red"})
            }, function(){
                $(this).css({"background-color":"blue"});
            })
        })
    </script>
</head>
<body>
    <div>Click on this to see a dialogue box</div>
</body>
</html>
```

Click on this to see a dialogue box

Ex7)
```html
<html>
<head>
    <title></title>
    <script type="text/javascript" src="jquery-3.7.1.min.js.js"></script>
    <script type="text/javascript">
        $(document).ready(function () {
            $('#btnSubmit').click(function () {
                var result = $('input[type="radio"]:checked');
                if (result.length > 0) {
                    $('#divResult').html(result.val() + " is checked");
                }
                else {
                    $('#divResult').html("No radio button checked");
                }
            });
        });
    </script>
</head>
```

```html
<body style="font-family:Arial">
    Gender :
    <input type="radio" name="gender" value="Male">Male
    <input type="radio" name="gender" value="Female">Female
    <input id="btnSubmit" type="submit" value="submit" />
    <div id="divResult"></div>
</body>
</html>
```

Gender : ○ Male ◉ Female submit
Female is checked

Ex8)
```html
<html>
<head>
    <title></title>
    <script type="text/javascript" src="jquery-3.7.1.min.js.js"></script>
    <script type="text/javascript">
        $(document).ready(function () {
            $
                ('#btnSubmit').click(function () {
                    var result = $('input[type="checkbox"]:checked');
                    if (result.length > 0) {
                        var resultString = result.length + " checkboxe(s) checked<br/>";
                        result.each(function () {
                            resultString += $(this).val() + "<br/>";
                        });
                        $('#divResult').html(resultString);
                    }
                    else {
                        $('#divResult').html("No checkbox checked");
                    }
                });
        });
    </script>
</head>

<body style="font-family:Arial">
    Skills :
    <input type="checkbox" name="skills" value="JavaScript" />JavaScript
    <input type="checkbox" name="skills" value="jQuery" />jQuery
    <input type="checkbox" name="skills" value="C#" />C#
    <input type="checkbox" name="skills" value="VB" />VB
    <br /><br />
```

```
        <input id="btnSubmit" type="submit" value="submit" />
        <br /><br />
        <div id="divResult">
        </div>
    </body>

</html>
```

Skills : ☑JavaScript ☐jQuery ☑C# ☐VB

submit

2 checkboxe(s) checked
JavaScript
C#

Q1)
```
<!-- Write a web page which contains table with 3 X 3 dimensions (fill some data) and one
image. Style the rows with alternate color. Move the table and image together from
right to left when button is clicked -->
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Lab 2 Exercise 1</title>
    <script type="text/javascript" src="jquery-3.7.1.min.js.js"></script>
    <script type="text/javascript" language="javascript">
        $(document).ready(function(){
            $("table tbody tr:nth-child(2n)").css({"background-color":"red"});
            $("table tbody tr:nth-child(2n+1)").css({"background-color":"blue"});
            $("#btn").click(function(){
                $(".maindiv").animate({left:'0'})
            })
        })
    </script>
    <style>
        table,
        th,
        td {
            border: 1px solid;
        }

        .maindiv{
            position: absolute;
```

```html
            right: 0;
        }
    </style>
</head>

<body>
    <div class="maindiv">
        <table>
            <tr>
                <th>Company</th>
                <th>Contact</th>
                <th>Country</th>
            </tr>
            <tr>
                <td>Alfreds Futterkiste</td>
                <td>Maria Anders</td>
                <td>Germany</td>
            </tr>
            <tr>
                <td>Centro comercial Moctezuma</td>
                <td>Francisco Chang</td>
                <td>Mexico</td>
            </tr>
        </table>
        <img src="img.jpg" width="500">
        <button id="btn">Click me</button>
    </div>
</body>

</html>
```
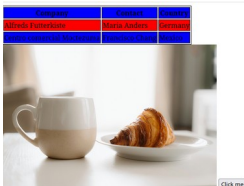

Ex2)
```html
<!-- Design a calculator to perform basic arithmetic operations. Use textboxes and buttons
to design web page -->

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

<head>
```

```html
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Lab 2 Exercise 2</title>
<script type="text/javascript" src="jquery-3.7.1.min.js.js"></script>
<script type="text/javascript" language="javascript">
    $(document).ready(function () {
        $(".btn").click(function () {
            let a = $('#firstnum').val();
            let b = $('#secondnum').val();
            let op = $('#operator').val();
            a = parseFloat(a);
            b = parseFloat(b);
            let res = 0.0;
            if(op == '+') res = a + b
            else if(op == '-') res = a - b;
            else if(op == '*') res = a * b;
            else if(op == '/') res = a / b;
            $(".finalres").html("Result: " + res)
        })
    })
</script>
<style>
    .maindiv {
        background-color: antiquewhite;
        width: 500px;
        display: flex;
        flex-direction: column;
        justify-content: center;
        align-items: center;
    }

    .btn {
        margin-top: 20px;
    }

    input[type=text] {
        width: 100%;
        padding: 12px 20px;
        margin: 8px 0;
        box-sizing: border-box;
    }
</style>
</head>

<body>
    <div class="maindiv">
        <div>
            <p>Enter the first number</p>
            <input type="text" id="firstnum" name="firstnum" placeholder="Enter first number">
        </div>
        <div>
            <p>Enter the second number</p>
```

```
                    <input type="text" id="secondnum"
name="secondnum" placeholder="Enter
second number">
          </div>
          <div>
              <p>Enter the operator</p>
              <input type="text" id="operator"
name="operator" placeholder="Enter the
operator (+, -, *, /)">
          </div>
          <div class="btn">
              <button> Submit </button>
          </div>
          <div>
              <p class="finalres">Result : 0</p>
          </div>
      </div>
</body>

</html>
```

Q3)

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Lab 2 Exercise 3</title>
    <script type="text/javascript" src="jquery-3.7.1.min.js.js"></script>
    <script type="text/javascript" language="javascript">
      $(document).ready(function () {
        $(".update").click(function () {
            let bgColor = $("#bgColor").val();
            let font = $("#font").val();
            let fontSize = $("#size").val();
            let borderStyle = $("input[name='borderstyle']:checked").val();
            let addPicture = $("#pic").prop("checked");
            let greetingText = $("textarea").val();
            $(".rightdiv").css("background-color", bgColor);
            $(".rightdiv p, .rightdiv textarea").css("font-family", font);
            $(".rightdiv p, .rightdiv textarea").css("font-size", fontSize + "px");
            $(".rightdiv").css("border", borderStyle ? borderStyle : "none");
            if (addPicture) {
                $(".rightdiv img").show();
            } else {
                $(".rightdiv img").hide();
            }
            $(".rightdiv p").text(greetingText || "Happy Birthday, and many more");
        });
```

The image on the right shows a form with a light tan/beige background containing:

Enter the first number
[5]

Enter the second number
[4]

Enter the operator
[*]

Submit

Result: 20

```html
        });
    </script>
    <style>
      * {
          margin: 0;
          padding: 0;
      }

      .maindiv {
          display: flex;
          flex-direction: row;
      }

      .leftdiv {
          background-color: bisque;
          width: 50%;
          display: flex;
          flex-direction: column;
          justify-content: center;
          align-items: flex-start;
          padding-left: 50px;
          gap: 20px;
          padding-bottom: 10px;
      }

      .rightdiv {
          background-color: yellow;
          width: 50%;
          display: flex;
          flex-direction: column;
          gap: 50px;
          padding: 50px;
          justify-content: center;
          align-items: center;
          text-align: center;
      }

      .rightdiv img {
          display: none;
      }

      .update {
          margin-top: 20px;
      }
    </style>
</head>
<body>
    <div class="maindiv">
      <div class="leftdiv">
        <p>Choose a background color:</p>
        <div>
          <select name="colors" id="bgColor">
```

```html
            <option value="yellow">yellow</option>
            <option value="red">red</option>
            <option value="green">green</option>
            <option value="blue">blue</option>
         </select>
      </div>

      <p>Choose a font:</p>
      <select name="fonts" id="font">
         <option value="Verdana">Verdana</option>
         <option value="Arial">Arial</option>
         <option value="Calibri">Calibri</option>
         <option value="Didot">Didot</option>
      </select>

      <p>Specify a numeric font size:</p>
      <input type="text" name="size" id="size">

      <p>Choose a border style</p>
      <div style="display: flex; flex-direction: column; align-items: flex-start;">
         <div style="display: flex; flex-direction: row; gap: 10px;">
            <input type="radio" name="borderstyle" value="none" checked><p>None</p>
         </div>
         <div style="display: flex; flex-direction: row; gap: 10px;">
            <input type="radio" name="borderstyle" value="double"><p>Double</p>
         </div>
         <div style="display: flex; flex-direction: row; gap: 10px;">
            <input type="radio" name="borderstyle" value="solid"><p>Solid</p>
         </div>
      </div>

      <div style="display: flex; flex-direction: row; justify-content: center; align-items: center;
gap: 10px;">
         <input type="checkbox" id="pic" name="pic" />
         <p>Add the default picture</p>
      </div>

      <div>
         <p>Enter the greeting text below</p>
         <textarea id="greetingText"></textarea>
      </div>

      <button class="update">Update</button>
   </div>

   <div class="rightdiv">
      <p>Happy Birthday, and many more</p>
      <img src="cake1.jpg" width="250" height="250" />
   </div>
   </div>
</body>
```

</html>

Choose a background color:

green ▾

Choose a font:

Arial ▾

Specify a numeric font size:

40

Choose a border style

○ None
⦿ Double
○ Solid

☑ Add the default picture

Enter the greeting text below

Hello world

Update

Hello world