

➤ Lab-7

➤ 1. W.A.P. using HTML, CSS, jQuery to design simple calculator with GUI.

```
<html>
  <head></head>
  <body>
    <input type="text" id="num1" placeholder="Number 1"/>
    <select id="op">
      <option value="+">+</option>
      <option value="-">-</option>
      <option value="*">*</option>
      <option value="/">/</option>
    </select>
    <input type="text" id="num2" placeholder="Number 2"/>
    <input type="button" value="=" id="cal"/>
    <!-- <input type="text" id="ans" placeholder="Answer"/> -->
    <p id="p1"></p>
    <script src="jQuery.min.js"></script>
    <script>
      $(document).ready(function(){
        $('#cal').click(function(){
          let num1 = parseInt($('#num1').val())
          let num2 = parseInt($('#num2').val())
          let op = $('#op').val()
          let ans;
          if (op == "+") {
            ans = num1 + num2;
          } else if (op == "-") {
            ans = num1 - num2;
          } else if (op == "*") {
            ans = num1 * num2;
          } else if (op == "/") {
            ans = num1 / num2;
          }
          $('#p1').text(ans)
          //$('#ans').val(ans)
        })
      })
    </script>
  </body>
</html>
```

10 + 10 =

20

➤ 2. W.A.P. to demonstrate Effects in jQuery.

```
<html>
  <head>
    <style>
      #bg{
        background-color: red;
        height: 300px;
        width: 300px;
      }
    </style>
  </head>
  <body>
    <button id="fade-out">fade-out</button>
    <button id="fade-in">fade-in</button>
    <button id="fade-toggle">fade-toggle</button>
    <button id="fade-to">fade-to</button>
    <div id="bg"></div>
    <script src="jQuery.min.js"></script>
    <script>
      $(function(){
        $('#fade-in').click(function(){
          $('#bg').fadeIn(1000, function(){
            console.log("Fade in done")
          })
        })
        $('#fade-out').click(function(){
          $('#bg').fadeOut("slow", function(){
            console.log("Fade out done")
          })
        })
        $('#fade-to').click(function(){
          $('#bg').fadeTo(1000, 0.4, function(){
            console.log("Fade to done")
          })
        })
        $('#fade-toggle').click(function(){
          $('#bg').fadeToggle(function(){
            console.log("Fade toggle done")
          })
        })
      })
    </script>
  </body>
</html>
```



➤ 3. W.A.P. to demonstrate DOM Manipulation in jQuery.

```
<html>
  <head>
    <style>
      .box{
        background-color: red;
        height: 50px;
        width: 50px;
        display: inline-block;
        margin: 10px;
      }
    </style>
  </head>
  <body>
    <h1>DOM Manipulation</h1>
    <button id="add">Add</button>
    <button id="remove">Remove</button>
    <div id="boxes"></div>
    <script src="jQuery.min.js"></script>
    <script>
      $(document).ready(function(){
        $('#add').click(function(){
          let newBox = $('<div class="box"></div>')
          $('#boxes').append(newBox)
        })
        $('#remove').click(function(){
          $('.box:last').remove()
        })
      })
    </script>
  </body>
</html>
```

DOM Manipulation

Add Remove



➤ 4. W.A.P. to demonstrate Traversing in jQuery.

```
<html>
  <head>
    <style>
      li{
        display: inline-block;
        background-color: lightgray;
        padding: 10px;
      }
      .selected{
        background-color: yellow;
      }
    </style>
  </head>
  <body>
    <h1>Traversing </h1>
    <ul id="mylist">
      <li>Item 1</li>
      <li>Item 2</li>
      <li>Item 3</li>
      <li>Item 4</li>
    </ul>
    <input type="button" id="prev" value="Prev">
    <input type="button" id="next" value="Next">
    <script src="jQuery.min.js"></script>
    <script>
      $(document).ready(function(){
        $('#mylist li').click(function(){
          $(this).addClass('selected').siblings().removeClass('selected')
        })
        $('#prev').click(function(){
          $('#mylist li.selected').prev().addClass('selected').siblings().removeClass('selected')
        })
        $('#next').click(function(){
          $('#mylist li.selected').next().addClass('selected').siblings().removeClass('selected')
        })
      })
    </script>
  </body>
</html>
```

Traversing

Item 1

Item 2

Item 3

Item 4

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