

## ➤ Lab-6

- 1. W.A.P. to design a form using HTML and JavaScript that asks the user to enter his date of birth and on clicking the Calculate Button it calls the function that calculates how many days are left in your birthday.

```
<html>
<head>
  <title></title>
</head>
<body>
  <center>
    <h1>Birthday Count</h1>
    <form action="">
      <label>Enter Your Date of Birth:</label>
      <input type="date" id="dob">
      <button id="calculate">Calculate</button>
    </form>
    <p id="result"></p>
    <script src="https://code.jquery.com/jquery-3.7.1.min.js"
      integrity="sha256-/JqT3SQfawRcv/BIHPThkBs00EvtFFmqPF/lYI/Cxo="
      crossorigin="anonymous"></script>
    <script>
      $(document).ready(function () {
        $('#calculate').click(function () {
          event.preventDefault();
          let dobstr = $('#dob').val();
          let dob = new Date(dobstr);
          let today = new Date();
          if (today > dob) {
            dob.setFullYear(today.getFullYear());
          }
          let daysleft = Math.ceil((dob - today) / (1000 * 60 * 60 * 24));
          $('#result').text("days left:" + daysleft);
        })
      })
    </script>
  </center>
</body>
</html>
```

## Birthday Count

Enter Your Date of Birth:

days left:213

- 2. W.A.P. to greet a user as per the current time. E.g. if anyone opens page at 08:00 am it should greet GOOD Morning.

```
<html>
  <head></head>
  <body>
    <center>
      <h1 id="greeting">Greeting As Per Time</h1>
      <script src="https://code.jquery.com/jquery-3.7.1.min.js"
        integrity="sha256-/JqT3SQfawRcv/BIHPThkBvs00EvtfFmqPF/1YI/Cxo="
        crossorigin="anonymous"></script>
      <script>
        $(document).ready(function(){
          let now = new Date();
          let currenthour = now.getHours();
          let greet;
          if(currenthour >= 5 && currenthour < 12)
          {
            greet="Good Morning";
          }
          else if(currenthour >= 12 && currenthour < 18)
          {
            greet="Good Afternoon";
          }
          else if(currenthour >=18 && currenthour<23)
          {
            greet="Good Evening"
          }
          else
          {
            greet="Good Night";
          }
          $('#greeting').text(greet);
        })
      </script>
    </center>
  </body>
</html>
```

# Good Afternoon

➤ **3. W.A.P. to demonstrate callbacks in JavaScript.**

```
<html>
  <head></head>
  <body>
    <h1>Callback Example with jQuery</h1>
    <p id="result"></p>
    <script src="https://code.jquery.com/jquery-3.7.1.min.js"
      integrity="sha256-/JqT3SQfawRcv/BIHPThkBs00EvtFFmqPF/lYI/Cxo="
      crossorigin="anonymous"></script>
    <script>
      $(document).ready(function(){
        function toDisplay(ans)
        {
          $('#result').text("Answer is:" +ans);
        }
        function myAddition(a,b,mycallback)
        {
          let sum=a+b;
          mycallback(sum);
        }
        myAddition(10,10,toDisplay);
      })
    </script>
  </body>
</html>
```

## Callback Example with jQuery

Answer is:20

- 4. W.A.P. to design a form using HTML and JavaScript that asks the user to enter his date of birth and on clicking the Calculate Button it calls the function that calculates how many days are left in your birthday.

```
<html>
  <head>
    <style>
      #demo{
        height: 200px;
        width: 200px;
        background-color: blue;
      }
    </style>
  </head>
  <body>
    <script src="https://code.jquery.com/jquery-3.7.1.min.js"
    integrity="sha256-/JqT3SQfawRcv/BIHPThkBVvs00EvtFFmqPF/lYI/Cxo="
    crossorigin="anonymous"></script>
    <div id="demo"></div>
    <input type="button" id="change-btn" value="Change">
    <script>
      $(document).ready(function(){
        $('#change-btn').click(function(){
          $('#demo').css({
            'background-color' : 'red',
            'height' : '500px',
            'width' : '500px'
          })
        })
      })
    </script>
  </body>
</html>
```

