Lab 4- Solution

JavaScript

Task 1: Solution

```
<!DOCTYPE html>
<html>
<head>
<script>
function myFunction() {
   var fname = document.getElementById("fname").value;
   var lname = document.getElementById("lname").value;
   var fullname = fname + " " + lname;
document.getElementById("answer").innerHTML = "Welcome "+fullname;
</script>
</head>
<body>
First name : <input type="text" id="fname">
Last name : <input type="text" id="lname">
<button onclick="myFunction()">Greet!</button>
 <span id="answer"></span>
</body>
</html
```

Task 2: Solution

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
<input type="text" id="expr" size=19><br>
<button id="b1" onclick="clac('1')">1</button>
<button id="b2" onclick="clac('2')">2</button>
<button id="b3" onclick="clac('3')">3</button>&nbsp
<button id="b4" onclick="clac('+')" style="width:50px">+</button><button id="b4" onclick="clac('4')">4</button>
<button id="b4" onclick="clac('4')">5</button>
<button id="b5" onclick="clac('5')">5</button></button>
```

```
<button id="b6" onclick="clac('6')">6</button>&nbsp
<button id="b-" onclick="clac('-')" style="width:50px">-</button><br>
<button id="b7" onclick="clac('7')">7</button>
<button id="b8" onclick="clac('8')">8</button>
<button id="b9" onclick="clac('9')">9</button>&nbsp
<button id="bx" onclick="clac('*')" style="width:50px">x</button><br>
<button id="bc" onclick="clac('C')">C</button>
<button id="b0" onclick="clac('0')">0</button>
<button id="b=" onclick="clac('=')">=</button>&nbsp
<button id="b/" onclick="clac('/')" style="width:50px">/</button><br>
</body>
<script>
   var expr = "";
   function clac(bt){
       if (bt=='C'){
            expr="";
            document.getElementById("expr").value = expr;
       }
       else
            if(bt=='=') {
            document.getElementById("expr").value = eval(expr);
            expr = eval(expr);
            else{
                expr = expr+bt;
            document.getElementById("expr").value = expr;
</script>
</html>
```

Task 3: Answer

```
    img {
    max-width: 100px;
    max-height: 100px;
}

</style>
<input type="file" id="fileInput" accept="image/*">
```

```
<div id="imageContainer" style="max-width: 100px;"></div>
<script>
let fileInput = document.getElementById("fileInput");

fileInput.addEventListener("change", displayImage);
function displayImage() {
    let file = fileInput.files[0];
    let reader = new FileReader();
    reader.readAsDataURL(file);
    reader.onload = function() {
        let image = new Image();
        image.src = reader.result;
        let imageContainer = document.getElementById("imageContainer");
        imageContainer.innerHTML = "";
        imageContainer.appendChild(image);
    }
}
```

Task 4: Answer

```
<!DOCTYPE html>
<html lang="en">
 <title>Local Restaurant</title>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <!-- Bootstrap CSS -->
  <link rel="stylesheet"</pre>
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
integrity="sha384-gg0yR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQU0hcWr7x9JvoRxT2MZw1
T" crossorigin="anonymous">
  <!-- Custom CSS -->
  <link rel="stylesheet" href="style.css">
</head>
<body>
 <!-- Navigation -->
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
   <a class="navbar-brand" href="#">Local Restaurant</a>
```

```
<button class="navbar-toggler" type="button" data-toggle="collapse"</pre>
data-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false"
aria-label="Toggle navigation">
    <span class="navbar-toggler-icon"></span>
   </button>
   <div class="collapse navbar-collapse" id="navbarNav">
    <a class="nav-link" href="index.html">Home</a>
      <a class="nav-link" href="menu.html">Menu</a>
      <a class="nav-link" href="contact.html">Contact Us</a>
      </div>
 </nav>
 <div class="container">
   <div class="jumbotron">
    <h1 class="display-4 text-center">Welcome to Local Restaurant</h1>
    We serve the best food in town.
    <hr class="my-4">
    Come dine with us and experience the taste of our
delicious dishes.
    <a class="btn btn-primary btn-lg" href="menu.html"</pre>
role="button">View Menu</a>
  </div>
 </div>
 <div class="container">
   <h1 class="text-center">Menu</h1>
   Item
       Description
       Price
       Pic
       Order
      >
       Burger
       A juicy beef burger with all the fixings
```

```
$10.99
         <img class="img-fluid" src="images/burger.png" alt="Burger"</pre>
width=100 height=100>
          <input type="number" id="burgers" style="width:50px"
onchange="calculateTotal()"></input> 
       Pizza
         A delicious pizza with your choice of toppings
         $12.99
         <img class="img-fluid" src="images/pizza.jfif" alt="Pizza" width=100
height=100>
         <input type="number" id="pizzas" style="width:50px"
onchange="calculateTotal()"></input> </rr>
       Salad
         A fresh and healthy salad with your choice of dressing
         $8.99
         <img class="img-fluid" src="images/salad.jpg" alt="Salad" width=100
height=100>
         <input type="number" id="salads" style="width:50px"
onchange="calculateTotal()"></input> </rr>
       </div>
  <div class="row">
   <div class="col-8">
   </div>
   <div class="col-2">
         <img class="img-fluid" src="images/cart.jpg" alt="Salad" width=50</pre>
height=50>
   </div>
   <div class="col-2">
       <h1 id="total" style="text-align: left;">$0</h1>
   </div>
  </div>
  <!-- Contact Page -->
  <div class="container">
   <h1 class="text-center">Contact Us</h1>
   <form action="submit-form.php" method="post">
     <div class="form-group">
       <label for="name">Name:</label>
       <input type="text" class="form-control" id="name" name="name" required>
```

```
</div>
      <div class="form-group">
        <label for="email">Email:</label>
        <input type="email" class="form-control" id="email" name="email" required>
      </div>
      <div class="form-group">
        <label for="message">Message:</label>
        <textarea class="form-control" id="message" name="message" rows="5"</pre>
required></textarea>
      <button type="submit" class="btn btn-primary">Submit
   </form>
 </div>
</body>
<script>
 var total = 0;
 function calculateTotal(){
   var burgers = document.getElementById("burgers").value;
   var pizzas = document.getElementById("pizzas").value;
   var salads = document.getElementById("salads").value;
   total = burgers*10.99+pizzas*12.99+salads*8.99;
   document.getElementById("total").innerHTML='$'+total;
</script>
</html>
```