

Experiment 08

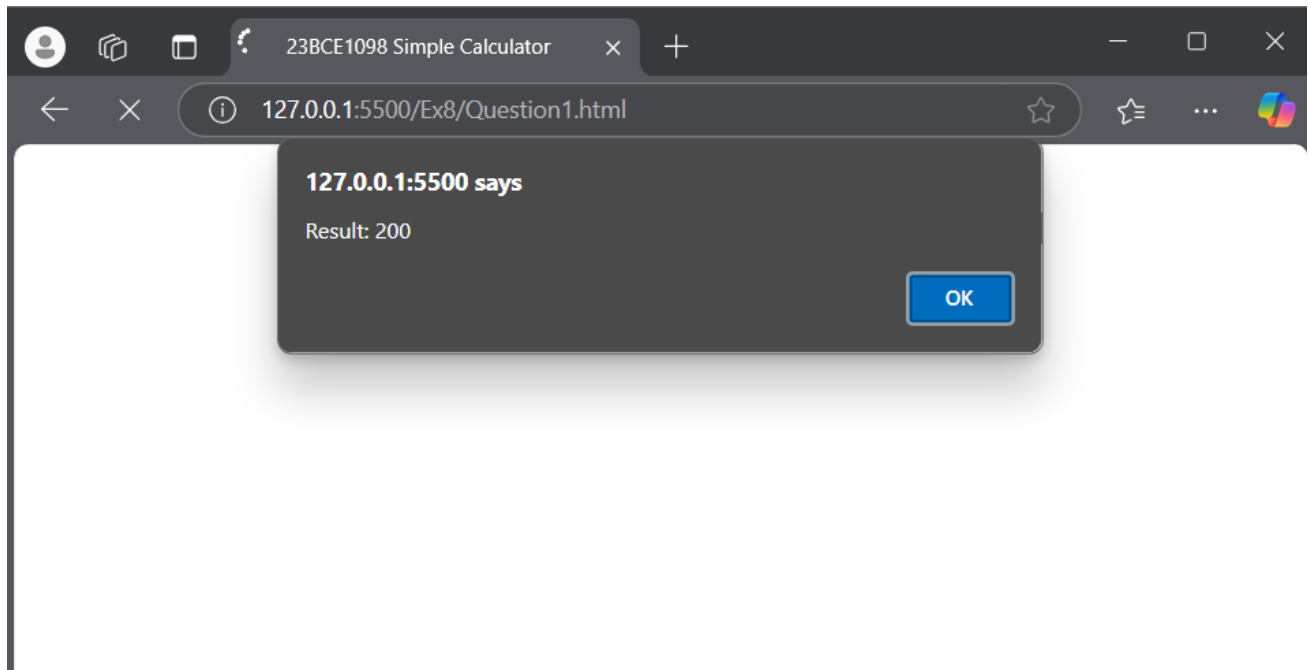
JavaScript

Question 01

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>23BCE1098 Simple Calculator</title>
  <script>
    let num1 = parseFloat(prompt("Enter the first number:"));
    let num2 = parseFloat(prompt("Enter the second number:"));
    let operation = prompt("Choose an operation: +, -, *, /, %");
    let result;
    if (operation == "+") {
      result = num1 + num2;
    } else if (operation == "-") {
      result = num1 - num2;
    } else if (operation == "*") {
      result = num1 * num2;
    } else if (operation == "/") {
      result = num1 / num2;
    } else if (operation == "%") {
      result = num1 % *
num2;
    } else {
      result = "Invalid operation";
    }
    alert("Result: " + result);
  </script>
</head>
<body>
</body>
</html>
```

Output:

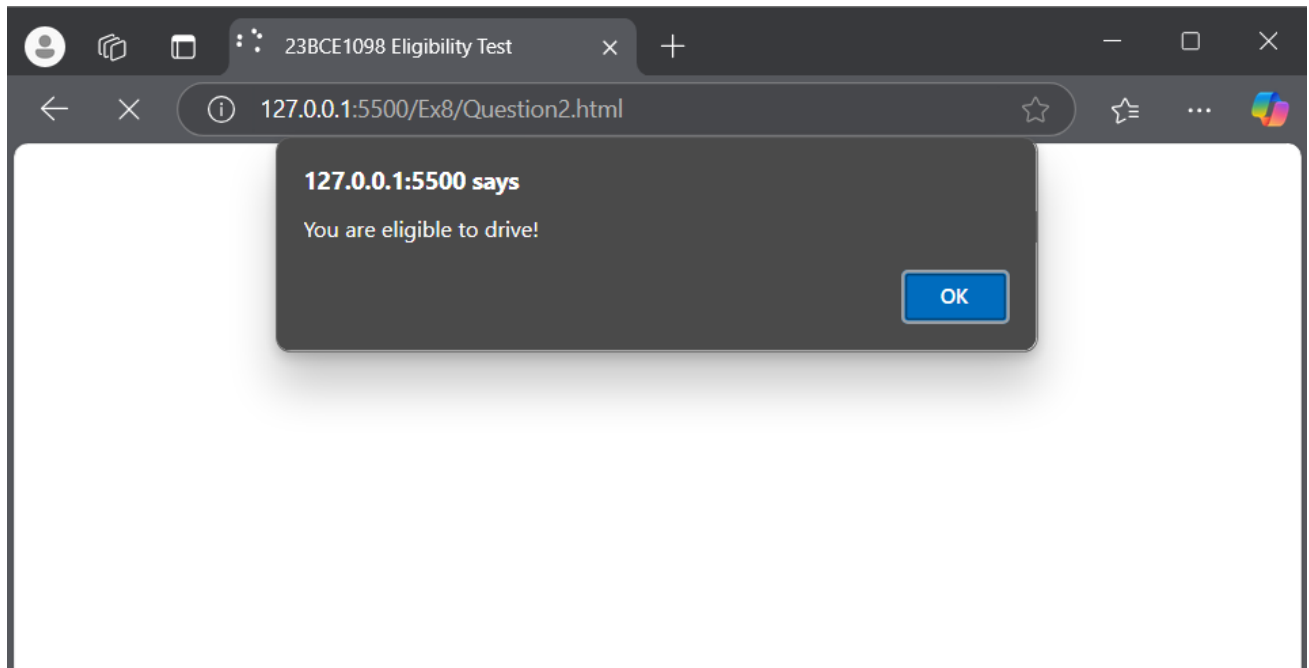


Question 02

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>23BCE1098 Eligibility Test</title>
  <script>
    let age = parseInt(prompt("Enter your age:"));
    if (isNaN(age)) {
      alert("Please enter a valid number.");
    } else if (age >= 18) {
      alert("You are eligible to drive!");
    } else {
      alert("You are not eligible to drive yet. Wait until you're 18.");
    }
  </script>
</head>
<body>
</body>
</html>
```

Output:



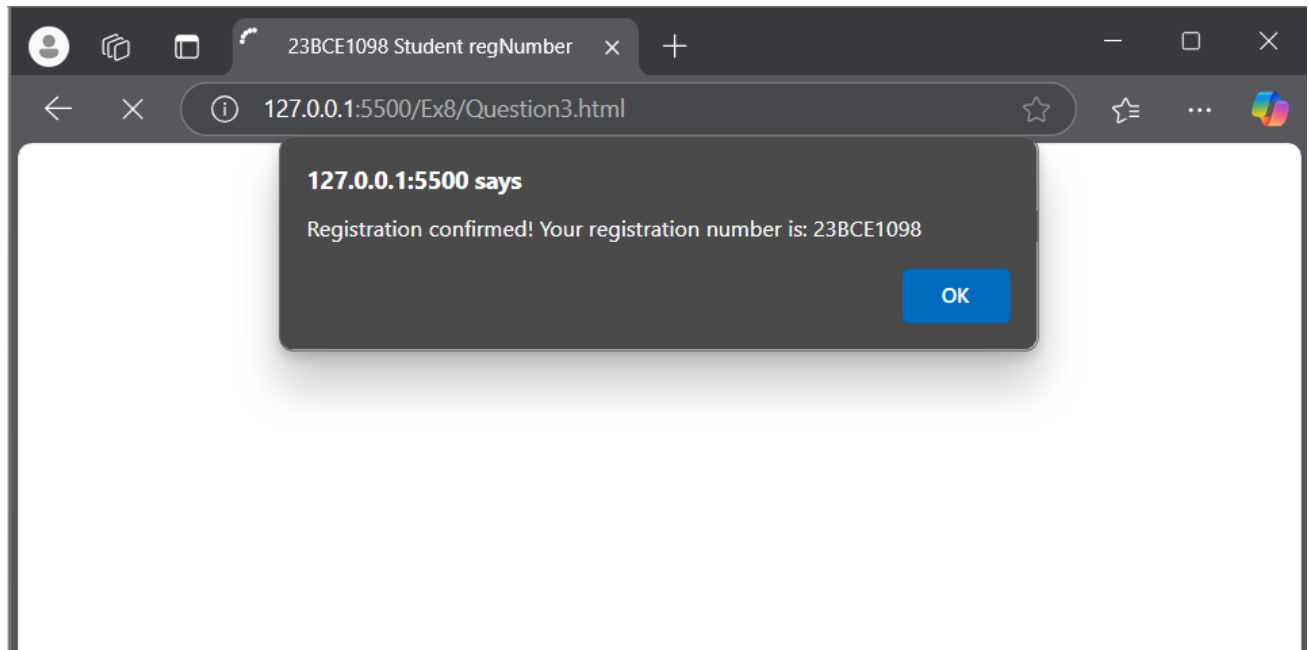
Question 03

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>23BCE1098 Student regNumber</title>
  <script>
    let isStudent = confirm("Are you a student?");
    if (isStudent) {
      let regNumber = prompt("Enter your registration number:");
      if (regNumber) {
        alert("Registration confirmed! Your registration number is: " + regNumber);
      } else {
        alert("Registration number cannot be empty.");
      }
    } else {
      alert("You are not a student.");
    }
  </script>
</head>
<body>
</body>
</html>
```

Name: Likhith B A
Reg. No: 23BCE1098

Output:

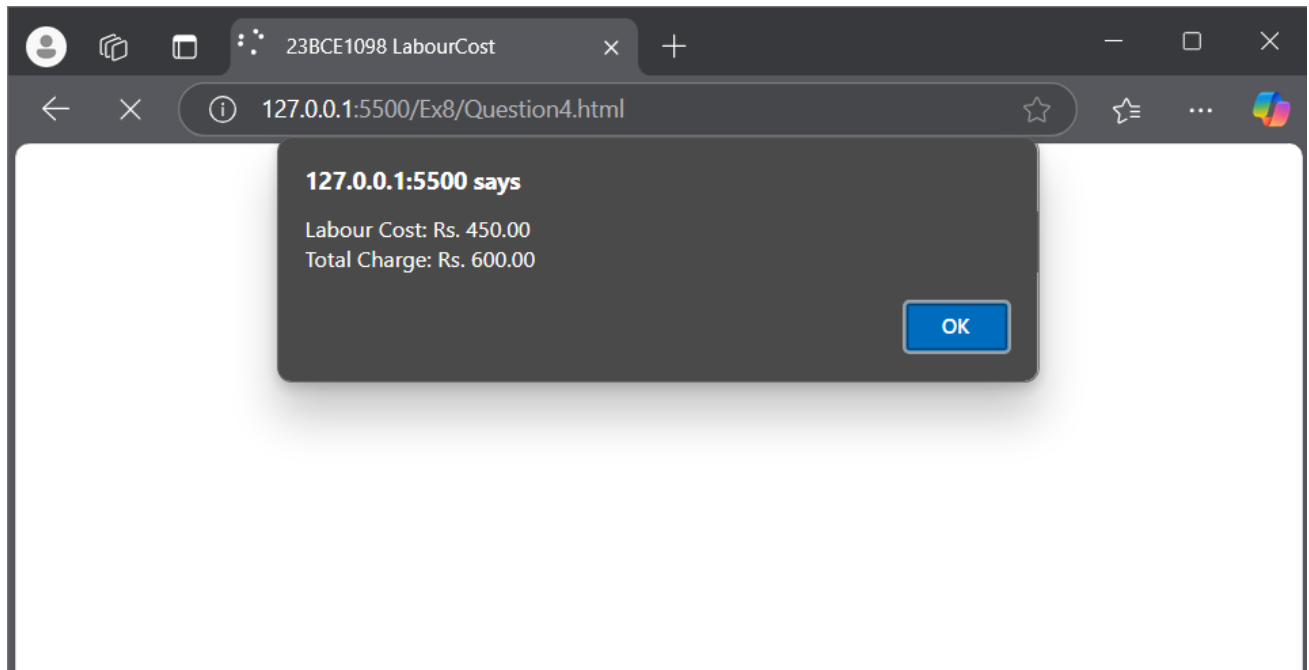


Question 04

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>23BCE1098 LabourCost</title>
  <script>
    const ratePerHour = 45;
    let hoursWorked = parseFloat(prompt("Enter the number of hours worked:"));
    let costOfMaterials = parseFloat(prompt("Enter the cost of materials:"));
    if (isNaN(hoursWorked) || isNaN(costOfMaterials) || hoursWorked < 0 || costOfMaterials < 0) {
      alert("Please enter valid positive numbers for hours worked and material cost.");
    } else {
      let labourCost = ratePerHour * hoursWorked;
      let totalCharge = labourCost + costOfMaterials;
      alert(`Labour Cost: Rs. ${labourCost.toFixed(2)}\nTotal Charge: Rs.
${totalCharge.toFixed(2)}`);
    }
  </script>
</head>
<body>
</body>
</html>
```

Output:

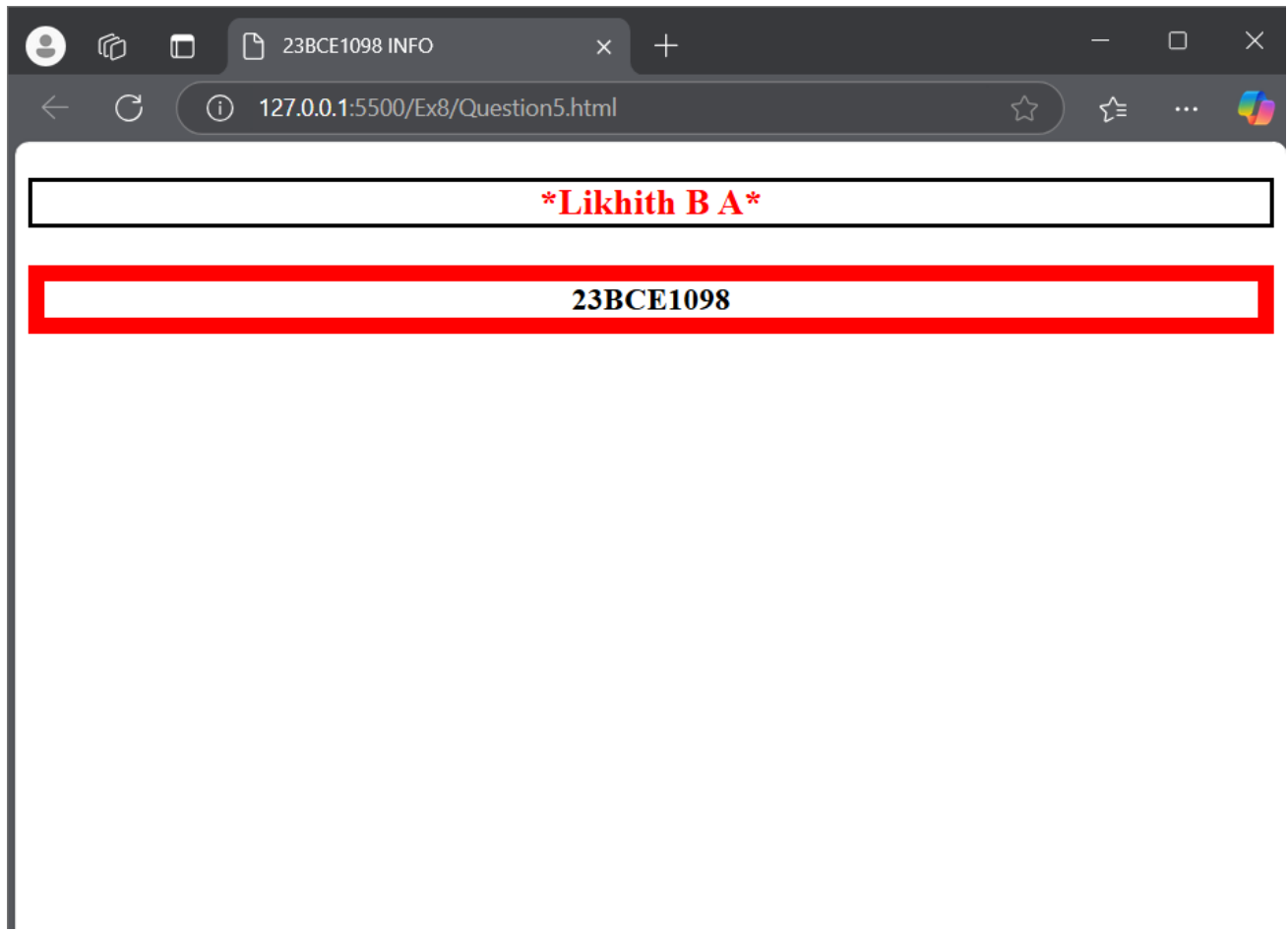


Question 05

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>23BCE1098 INFO</title>
</head>
<body>
  <h3 id="name"></h3>
  <script>
    let rno = prompt("Enter your registration number");
    let name = prompt("Enter your name");
    document.write(`<h3 style="border : 10px solid red; text-align:center;">${rno}</h3>`);
    document.getElementById("name").innerHTML += `<h3 style="color:red; text-align:center;
border: 3px solid black">*${name}*</h3>`;
  </script>
</body>
</html>
```

Output:



Question 06

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>23BCE1098 Ticket Booth</title>
  <style>
    body{
      display: flex;
      flex-direction: column;
      justify-content: center;
      align-items: center;
      min-height: 100%;
    }
  </style>
</head>
<body>
  <h1>Ticket Booth</h1>
  <form class = "form">
    <label for="adultTickets">Adult Tickets (Rs. 100 each):</label>
    <input type="number" id="adultTickets" min="0" value="0"><br><br>
    <label for="childTickets">Child Tickets (Rs. 50 each):</label>
    <input type="number" id="childTickets" min="0" value="0"><br><br>
    <button type="button" onclick="calculateTotal()">Total</button><br><br>
    <label for="totalAmount">Total Amount (Rs.):</label>
    <input type="text" id="totalAmount" readonly>
  </form>
  <script src="script.js"></script>
</body>
</html>
```

Output:

Ticket Booth

Adult Tickets (Rs. 100 each):

Child Tickets (Rs. 50 each):

Total Amount (Rs.):