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1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Document</title>
7  </head>
8  <body>
9
10     <h1>Activity Guide #1</h1>
11     <!-- Start of item 1 -->
12     Name: <input type="text" id="name"> <br> <br>
13     Complete Address: <br>
14         City: <input type="text" id="city">
15         State: <input type="text" id="state">
16         ZIP Code: <input type="text" id="zip"><br><br>
17     Telephone Number: <input type="tel" id="telephone"><br>
18     Major: <input type="text" id="major"><br>
19
20     <button id="btn1">Submit</button>
21     <p id="output"></p>
22     <!-- End of item 1 -->
23
24
25     <!-- Start of item 2 -->
26     <h1>Activity Guide #2</h1>
27     Enter the amount of total sales: <input type="text" id="sales"><br>
28     <button id="btn2">Submit</button>
29     <p id="output2"></p>
30     <!-- End of item 2 -->
31
32
33     <!-- Start of item 3 -->
34     <h1>Activity Guide #3</h1>
35     A car is traveling at 60 miles per hour.<br>
36     • The distance the car will travel in 5 hours is:<p id="output21"></p> <br>
37     • The distance the car will travel in 8 hours is:<p id="output22"></p> <br>
38     • The distance the car will travel in 12 hours is:<p id="output222"></p> <br>
39     <button id="btn3">Calculate Distances</button>
40     <!-- End of item 3 -->
41
42     <!-- Start of item 4 -->
43     <h1>Activity Guide #4</h1>
44     Enter the Number of Miles Driven: <input type="number" id="miles"><br>
45     Enter the Number of Consumed Gallons of Gas: <input type="number" id="gas"><br>
46     <button id="btn4">Calculate the MPG</button>
47     <p id="outputmpg"></p>
48     <!-- End of item 4 -->
49

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Enter the amount of total sales: <input type="text" id="sales"><br>
<button id="btn2">Submit</button>
<p id="output2"></p>
<!-- End of item 2 -->

<!-- Start of item 3 -->
<h1>Activity Guide #3</h1>
A car is traveling at 60 miles per hour.<br>
• The distance the car will travel in 5 hours is:<p id="output21"></p> <br>
• The distance the car will travel in 8 hours is:<p id="output22"></p> <br>
• The distance the car will travel in 12 hours is:<p id="output222"></p> <br>
<button id="btn3">Calculate Distances</button>
<!-- End of item 3 -->

<!-- Start of item 4 -->
<h1>Activity Guide #4</h1>
Enter the Number of Miles Driven: <input type="number" id="miles"><br>
Enter the Number of Consumed Gallons of Gas: <input type="number" id="gas"><br>
<button id="btn4">Calculate the MPG</button>
<p id="outputmpg"></p>
<!-- End of item 4 -->

<!-- Start of item 5 -->
<h1>Activity Guide #5 <br>Celsius to Fahrenheit</h1>
Enter the temperature in Celsius: <input type="number" id="celsius"><br>
<button id="btn5">Convert to Fahrenheit</button>
<p id="outputtemp"></p>
<!-- End of item 5 -->

<!-- Start of item 6 -->
<h1>Activity Guide #6 <br>Celsius to Fahrenheit</h1>
Enter the Number of Cookies you ate: <input type="number" id="cookie"><br>
<button id="btn6">Compute Total Calorie</button>
<p id="outputcook"></p>
<!-- End of item 6 -->

<!-- Start of item 7 -->
<h1>Activity Guide #7 <br>Percentage of Males and Females</h1>
Enter the Number of Males: <input type="number" id="male" min="0"><br>
Enter the Number of Females: <input type="number" id="female" min="0"><br>
<button id="btn7">Display the Percentage of Males and Females</button>
<p id="output7"></p>
<!-- End of item 7 -->

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1 // Components for #1
2 const btn1 = document.getElementById("btn1");
3 btn1.addEventListener("click", () => {
4
5     let name = document.getElementById("name").value;
6     let city = document.getElementById("city").value;
7     let state = document.getElementById("state").value;
8     let zip = document.getElementById("zip").value;
9     let telephone = document.getElementById("telephone").value;
10    let major = document.getElementById("major").value;
11
12    let x = `Hello! ${name}, you are from ${city}, ${state} ${zip}, pursuing ${major} with contact number ${telephone}.`;
13    document.getElementById("output").innerHTML = x;
14 });
15
16 // Components for #2
17 const btn2 = document.getElementById("btn2");
18 btn2.addEventListener("click", () => {
19     let sales = document.getElementById("sales").value;
20     let final = sales * 0.23
21
22     let x = `The Profit is: ${final}`;
23     document.getElementById("output2").innerHTML = x;
24 });
25
26 // Components for #3
27 const btn3 = document.getElementById("btn3");
28 btn3.addEventListener("click", () => {
29     const speed = 60;
30     const times = [5, 8, 12];
31     const outputIds = ["output21", "output22", "output222"];
32
33     for (let i = 0; i < times.length; i++) {
34         let distance = speed * times[i];
35         document.getElementById(outputIds[i]).textContent = distance;
36     }
37 });
38
39 // Components for #4
40 const btn4 = document.getElementById("btn4");
41 btn4.addEventListener("click", () => {
42     const miles = document.getElementById("miles").value;
43     const gas = document.getElementById("gas").value;
44     const MPG = miles/gas;
45
46     let mp = `The Mile-per-Gallon(MPG) is: ${MPG}`;
47     document.getElementById("outputmpg").innerHTML = mp;
48 });
49
50

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    let mp = `The Mile-per-Gallon(MPG) is: ${MPG}`;
    document.getElementById("outputmpg").innerHTML = mp;
  });

  // Components for #5
  const btn5 = document.getElementById("btn5");
  btn5.addEventListener("click", () => {
    let cel = document.getElementById("celsius").value;
    let fahrenheit = ((9/5)*cel) + 32;

    let temp = `${cel} Celsius is: ${fahrenheit} Fahrenheit`;
    document.getElementById("outputtemp").innerHTML = temp;
  });

  // Components for #6
  const btn6 = document.getElementById("btn6");
  btn6.addEventListener("click", () => {
    //3000calo per bag
    //75cal per cookie
    let cookie = document.getElementById("cookie").value;
    let comput = (300*10)/40
    let comp = comput*cookie;

    let coo = `Total Calorie Consumed is: ${comp}`;
    document.getElementById("outputcook").innerHTML = coo;
  });

  // Components for #7
  const btn7 = document.getElementById("btn7");
  btn7.addEventListener("click", () => {
    const males = parseFloat(document.getElementById("male").value);
    const females = parseFloat(document.getElementById("female").value);

    const totalPopulation = males + females;

    if (totalPopulation === 0) {
      document.getElementById("output7").textContent = "No population data entered.";
      return;
    }

    const malePer = (males / totalPopulation * 100).toFixed(2);
    const femalePer = (females / totalPopulation * 100).toFixed(2);

    const result = `The percentage of males is: ${malePer}% and females is: ${femalePer}%`;
    document.getElementById("output7").textContent = result;
  });

```