

# HTML:

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file Edit Selection View Go Run Terminal Help
<> Aguiwas_Erwin_Activity1.html X JS app.js
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1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width, initial-scale=1.0">
6     <title>Activity Guide 1</title>
7   </head>
8   <body>
9     <br><br>
10    <br><br>
11    <br><br>
12    <br><br>
13    <!-- START -->
14    <h1>1. Personal Information</h1>
15
16    <label for="name">Your Name:</label><br>
17    <input type="text" id="name"><br><br>
18
19    <label for="address">Your Address:</label><br>
20    <input type="text" id="address"><br><br>
21
22    <label for="telephone">Your Telephone Number:</label><br>
23    <input type="text" id="telephone"><br><br>
24
25    <label for="major">Your College Major:</label><br>
26    <input type="text" id="major"><br><br>
27
28    <button onclick="displayInformation()">submit</button>
29
30    <p id="output"></p>
31    <!-- END -->
```

```

32 <br>
33 <!-- START -->
34 <h1>2. Sales Prediction</h1>
35 <label for="totalSales">Enter the projected amount of total sales: $</label>
36 <input type="number" id="totalSales">
37 <button onclick="calculateProfit()">calculate</button>
38
39 <p id="profit"></p>
40 <!-- END -->
41 <br>
42 <!-- START -->
43 <h1>3. Distance Traveled</h1>
44 <button onclick="calculateDistance()">calculate distacne</button>
45 <p id="distance5Hours"></p>
46 <p id="distance8Hours"></p>
47 <p id="distance12Hours"></p>
48 <!-- END -->
49 <br>
50 <!--strat-->
51 <h1>4. Miles-per-Gallon</h1>
52 <label for="milesDriven">Miles driven:</label>
53 <input type="number" id="milesDriven" placeholder="Enter miles driven"><br><br>
54
55 <label for="gallonsUsed">Gallons of gas used:</label>
56 <input type="number" id="gallonsUsed" placeholder="Enter gallons used"><br><br>
57
58 <button onclick="calculateMPG()">calculate</button>
59
60 <p id="mpgResult"></p>
61 <!--end-->
62
63 <!--START-->
64 <h1>5. Celsius to Fahrenheit Converter</h1>
65 <label for="celsius">Enter temperature in Celsius:</label>
66 <input type="number" id="celsius"><br><br>
67
68 <button onclick="convertToFahrenheit()">convert to fahrenheit</button>
69
70 <p id="fahrenheitResult"></p>
71 <!--END-->
72 <br>
73 <!--start-->
74 <h1>6. Cookie Calorie Calculator</h1>
75 <label for="cookiesEaten">Enter the number of cookies you ate:</label>
76 <input type="number" id="cookiesEaten"><br><br>
77
78 <button onclick="calculateCalories()">calories</button>
79
80 <p id="caloriesResult"></p>
81 <!--end-->
82 <br>
83 <!--start-->
84 <h1>7. Male and Female</h1>
85 <label for="males">Enter the number of males:</label>
86 <input type="number" id="males"><br><br>
87
88 <label for="females">Enter the number of females:</label>
89 <input type="number" id="females"><br><br>
90
91 <button onclick="calculatePercentages()">percentages</button>
92
93 <p id="malePercentageResult"></p>
94 <p id="femalePercentageResult"></p>
95 <!--end-->
96
97 <script src = "app.js"></script>
98 <br><br>

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## JavaScript:

<> Aguiwas\_Erwin\_Activity1.html

JS app.js

C: > Users > ACER > Downloads > Aguiwas\_Erwin\_Activity1 > JS app.js > calculateProfit

```
1  //components for item #1
2  function displayInformation() {
3      let name = document.getElementById("name").value;
4      let address = document.getElementById("address").value;
5      let telephone = document.getElementById("telephone").value;
6      let major = document.getElementById("major").value;
7
8      let message = `Hello! ${name}, I see that you are from ${address}
9      and you are also pursuing your degree ${major}
10     and you can be contacted using ${telephone}.`;
11
12     document.getElementById("output").innerText = message;
13 }
14
15 //components for item #2
16 function calculateProfit() {
17     let totalSales = document.getElementById("totalSales").value;
18     let profit = totalSales * 0.23;
19
20     document.getElementById("profit")
21     .innerText = "Projected Profit: $" + profit.toFixed(2);
22 }
23
24 //components for item #3
25 function calculateDistance() {
26     let speed = 60;
27
28     let distance5Hours = speed * 5;
29     let distance8Hours = speed * 8;
30     let distance12Hours = speed * 12;
31
32     document.getElementById("distance5Hours")
33     .innerText = "The distance the car will travel in 5 hours: " + distance5Hours + " miles";
34     document.getElementById("distance8Hours")
35     .innerText = "The distance the car will travel in 8 hours: " + distance8Hours + " miles";
36     document.getElementById("distance12Hours")
37     .innerText = "The distance the car will travel in 12 hours: " + distance12Hours + " miles";
38 }
39
```

```
40 // components for item #4
41 function calculateMPG() {
42
43     let milesDriven = document.getElementById("milesDriven").value;
44     let gallonsUsed = document.getElementById("gallonsUsed").value;
45
46     let mpg = milesDriven / gallonsUsed;
47
48     document.getElementById("mpgResult")
49     .innerText = "Your car's MPG is: " + mpg.toFixed(2) + " miles per gallon";
50 }
51
52 //components for item #5
53 function convertToFahrenheit() {
54     let celsius = document.getElementById("celsius").value;
55
56     let fahrenheit = (9/5) * celsius + 32;
57
58     document.getElementById("fahrenheitResult")
59     .innerText = "Temperature in Fahrenheit: " + fahrenheit.toFixed(2) + "°F";
60 }
61
62 //COMPONENTS FOR ITEM #6
63 function calculateCalories() {
64     const cookiesPerBag = 40;
65     const servingsPerBag = 10;
66     const caloriesPerServing = 300;
67
68     const caloriesPerCookie = (caloriesPerServing * servingsPerBag) / cookiesPerBag;
69
70     let cookiesEaten = document.getElementById("cookiesEaten").value;
71
72     let totalCalories = cookiesEaten * caloriesPerCookie;
73
74     document.getElementById("caloriesResult")
75     .innerText = "Total calories consumed: " + totalCalories.toFixed(2) + " calories";
76 }
77
78 //components for item #7
79 function calculatePercentages() {
80     let males = parseInt(document.getElementById("males").value);
81     let females = parseInt(document.getElementById("females").value);
82
83     let totalStudents = males + females;
84
85     let malePercentage = (males / totalStudents) * 100;
86     let femalePercentage = (females / totalStudents) * 100;
87
88     document.getElementById("malePercentageResult")
89     .innerText = "Percentage of males: " + malePercentage.toFixed(2) + "%";
90     document.getElementById("femalePercentageResult")
91     .innerText = "Percentage of females: " + femalePercentage.toFixed(2) + "%";
92 }
```