Macaraeg, Jake Russell F.	08-14-23
APPDEV1 - IAB2	Activity #1

index.html app.js

JSPROJECTS > ActivityGuide1 > index.html > html > body

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>Activity Guide 1</title>
    </head>

    <body>
        <h1>Activity Guide #1</h1>
        <!--START OF ITEM 1-->
        <h4>1. Personal Information</h4>
        Name: <input type="text" id="name" placeholder="Enter your Name"><br />
        Address:<input type="text" id="address" placeholder="Enter your Address"><br />
        Telephone Number:<input type="text" id="telephone" placeholder="Enter your Telephone No."><br />
        College Major:<input type="text" id="major" placeholder="Enter your College Major"><br />
        <button id="btn1">Submit</button>
        <p id="output"></p>
        <!--END OF ITEM 1-->


        <!--START OF ITEM 2-->
        <h4>2. Sales Prediction</h4>
        Projected Total Sales: <input type="number" id="sales" placeholder="Enter Sales"><br />
        <button id="btn2">Calculate Profit</button>
        <p id="profitOutput"></p>
        <!--END OF ITEM 2-->


        <!--START OF ITEM 3-->
        <h4>3. Distance Traveled</h4>
        <p id="distanceOutput"></p>
        <!--END OF ITEM 3-->


        <!--START OF ITEM 4-->
        <h4>4. Miles-per-Gallon</h4>
        Miles Driven: <input type="number" id="miles" placeholder="Enter Miles Driven"><br />
        Gallons of Gas Used: <input type="number" id="gallons" placeholder="Enter Gas Used"><br />
        <button id="btn4">Calculate MPG</button>
        <p id="mpgOutput"></p>
        <!--END OF ITEM 4-->


        <!--START OF ITEM 5-->
        <h4>5. Celsius to Fahrenheit Temperature Converter</h4>
        Celsius Temperature: <input type="number" id="celsius" placeholder="Enter Celsuis"><br />
        <button id="btn5">Convert to Fahrenheit</button>
        <p id="fahrenheitOutput"></p>
        <!--END OF ITEM 5-->


        <!--START OF ITEM 6-->
        <h4>6. Cookie Calories</h4>
        Number of Cookies Eaten: <input type="number" id="cookiesEaten" placeholder="Enter Cookies Eaten"><br />
        <button id="btn6">Calculate Calories</button>
        <p id="caloriesOutput"></p>
        <!--END OF ITEM 6-->


        <!--START OF ITEM 7-->
        <h4>7. Male and Female</h4>
        Number of Males: <input type="number" id="males" placeholder="Enter Number of Males"><br />
        Number of Females: <input type="number" id="females" placeholder="Enter Number of Females"><br />
        <button id="btn7">Calculate Percentages</button>
        <p id="percentageOutput"></p>
        <!--END OF ITEM 7-->


        <!--Javascript-->
        <script src="app.js"></script>

    </body>
</html>
```

index.html | app.js

JSPROJECTS > ActivityGuide1 > app.js > ...

```
//Components for item 1
const btn1 = document.getElementById("btn1")
btn1.addEventListener("click", () => {
    //populare variables
    let name = document.getElementById("name").value
    let address = document.getElementById("address").value
    let telephone = document.getElementById("telephone").value
    let major = document.getElementById("major").value
    let x = ` Hello <b>${name}</b>,  I See that you're from <b>${address}</b>,
    and you are also pursuing your degree of <b>${major}</b> and you can be contacted using <b>${telephone}</b>, `
    document.getElementById("output").innerHTML = x
})


// Components for item 2
const btn2 = document.getElementById("btn2");
btn2.addEventListener("click", () => {
    let sales = parseFloat(document.getElementById("sales").value)
    let profit = sales * 0.23;
    let x = `The Profit is <b>${profit}<b/>`
    document.getElementById("profitOutput").innerHTML = x
})


// Components for item 3
const distanceOutput = document.getElementById("distanceOutput")
const speed = 60; // miles per hour

distanceOutput.innerHTML = `
    Distance in 5 hours: ${speed * 5} miles<br />
    Distance in 8 hours: ${speed * 8} miles<br />
    Distance in 12 hours: ${speed * 12} miles
`


// Components for item 4
const btn4 = document.getElementById("btn4");
btn4.addEventListener("click", () => {
    let miles = parseFloat(document.getElementById("miles").value)
    let gallons = parseFloat(document.getElementById("gallons").value)
    let mpg = miles / gallons
    document.getElementById("mpgOutput").innerHTML = `Miles-per-Gallon: <b>${mpg.toFixed(2)}</b>`
})


// Components for item 5
const btn5 = document.getElementById("btn5")
btn5.addEventListener("click", () => {
    let celsius = parseFloat(document.getElementById("celsius").value)
    let fahrenheit = (celsius * 9 / 5) + 32
    document.getElementById("fahrenheitOutput").innerHTML = `Fahrenheit Temperature: <b>${fahrenheit.toFixed(2)} °F</b>`
})


// Components for item number 6
const btn6 = document.getElementById("btn6")
btn6.addEventListener("click", () => {
    let cookiesEaten = parseFloat(document.getElementById("cookiesEaten").value)
    let totalCalories = (cookiesEaten / 40) * 300
    document.getElementById("caloriesOutput").innerHTML = `Total Calories Consumed: ${totalCalories.toFixed(2)}`
})


// Components for item number 7
const btn7 = document.getElementById("btn7")
btn7.addEventListener("click", () => {
    let males = parseFloat(document.getElementById("males").value)
    let females = parseFloat(document.getElementById("females").value)
    let total = males + females
    let malePercentage = (males / total) * 100
    let femalePercentage = (females / total) * 100
    document.getElementById("percentageOutput").innerHTML = `Percentage of Males: <b>${malePercentage}%</b>
    <br />Percentage of Females: <b>${femalePercentage}%</b>`
})
```

Activity Guide #1

1. Personal Information

Name: Jake
Address: Pangasinan
Telephone Number: 0915
College Major: BSIT
Submit

Hello **Jake** , I See that you're from **Pangasinan**, and you are also pursuing your degree of **BSIT** and you can be contacted using **0915**,

2. Sales Prediction

Projected Total Sales: 23
Calculate Profit

The Profit is **5.29**

3. Distance Traveled

Distance in 5 hours: 300 miles
Distance in 8 hours: 480 miles
Distance in 12 hours: 720 miles

4. Miles-per-Gallon

Miles Driven: 123
Gallons of Gas Used: 12
Calculate MPG

Miles-per-Gallon: **10.25**

5. Celsius to Fahrenheit Temperature Converter

Celsius Temperature: 23
Convert to Fahrenheit

Fahrenheit Temperature: **73.40 °F**

6. Cookie Calories

Number of Cookies Eaten: 30
Calculate Calories

Total Calories Consumed: 225.00

7. Male and Female

Number of Males: 8
Number of Females: 12
Calculate Percentages

Percentage of Males: **40%**
Percentage of Females: **60%**