Allawan, Gerald
20181775

ACTIVITY 1

1)

```html
<!--Start of Item 1-->
Name:<input type="text" id="name" required><br />
Address:<input type="text" id="address" required><br />
Telephone Number:<input type="text" id="telephone" required><br />
Major:<input type="text" id="major" required><br />
<button id="btn1">Submit</button>
<p id="output"></p>

<!--End of Item 1-->

<!--javascript-->
<script src="app.js"></script>
```
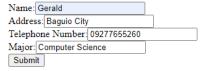
```javascript
//1. PERSONAL INFORMATION
const btn1 = document.getElementById("btn1")//gumagamit ng const kasi hindi siya maiiba
btn1.addEventListener("click", () =>{
    //populate variables
    let name = document.getElementById("name").value
    let address = document.getElementById("address").value
    let telephone = document.getElementById("telephone").value
    let major = document.getElementById("major").value

    let x = `Hello! ${name}, I see that you are from ${address} and you are also pursuing your degree ${major} and you can be contacted using ${telephone}.`
    document.getElementById("output").innerHTML = x
    //pashortcut nanaman ni sir (CTRL+ALT+ARROW DOWN)


} )
```

Activity Guide #1

Name: Gerald
Address: Baguio City
Telephone Number: 09277655260
Major: Computer Science
Submit

Hello! Gerald, I see that you are from Baguio City and you are also pursuing your degree Computer Science and you can be contacted using 09277655260.

2)

```html
    <h1>Activty Guide #2</h1>
    Projected Amount of Total Sales:<input type="text" id="sales" required><br />
    <button id="btn1">Submit</button>
    <p id="output"></p>


    <!--End of Item 2-->


    <!--javascript-->
    <script src="app2.js"></script>
```

```javascript
//2. SALES PREDICTION
const btn1 = document.getElementById("btn1")//gumagamit ng const kasi hindi siya maiiba
btn1.addEventListener("click", () =>{
    //populate variables
    let sales = document.getElementById("sales").value
    let real = sales*0.23


    let x = `Your profit that will be made from ${sales} is ${real}`
    document.getElementById("output").innerHTML = x


} )
```

Projected Amount of Total Sales: 100

Submit

Your profit that will be made from 100 is 23

3)

```html
    Assuming the car is travelling at 60 miles per hour...
    The distance the car will travel in 5 hours: <input type="text" id="five" required><br />
    The distance the car will travel in 8 hours: <input type="text" id="eight" required><br />
    The distance the car will travel in 12 hours: <input type="text" id="twelve" required><br />
    <button id="btn1">Submit</button>
    <p id="output"></p>

    <!--End of Item 3-->

    <!--javascript-->
    <script src="app3.js"></script>
```

```javascript
//3. DISTANCE TRAVELLED
const btn1 = document.getElementById("btn1")//gumagamit ng const kasi hindi siya maiiba
btn1.addEventListener("click", () =>{
    //populate variables

    let car = 60
    let five = document.getElementById("five").value
    let eight = document.getElementById("eight").value
    let twelve = document.getElementById("twelve").value
    let fives = car*5
    let eights = car*8
    let twelves = car*12
    //let five = console.log(60*5);
    //let eight = console.log(60*8);
    //let twelve = console.log(60*12);

    let x = `At 5 hours, the car would have travelled ${fives} miles.
    At 8 hours, the car would have travelled ${eights} miles.
    At 12 hours, the car would have travelled ${twelves} miles.`
    document.getElementById("output").innerHTML = x

} )
```

Assuming the car is travelling at 60 miles per hour... The distance the car will travel in 5 hours: 5
The distance the car will travel in 8 hours: 8
The distance the car will travel in 12 hours: 12
Submit

At 5 hours, the car would have travelled 300 miles. At 8 hours, the car would have travelled 480 miles. At 12 hours, the car would have travelled 720 miles.

4)

```html
    Computing MPG<br>
    Number of miles driven:<input type="text" id="miles" required><br />
    Gallons of gas used:<input type="text" id="gas" required><br />
    <button id="btn1">Submit</button>
    <p id="output"></p>

    <!--End of Item 4-->

    <!--javascript-->
    <script src="app4.js"></script>
```

```javascript
//4. MILES-PER-GALLON
const btn1 = document.getElementById("btn1")
btn1.addEventListener("click", () =>{
    //populate variables
    let miles = document.getElementById("miles").value
    let gas = document.getElementById("gas").value
    let mpg = miles/gas


    let x = `Your MPG is ${mpg}`
    document.getElementById("output").innerHTML = x


})
```

Computing MPG
Number of miles driven: 100
Gallons of gas used: 10
Submit

Your MPG is 10

5)

```html
Computing Celsius to Fahrenheit<br>
Enter a temperature in Celsius:<input type="text" id="celsius" required><br />
<button id="btn1">Submit</button>
<p id="output"></p>

<!--End of Item 5-->

<!--javascript-->
<script src="app5.js"></script>
```

```javascript
//5. CELSIUS TO FAHRENHEIT
const btn1 = document.getElementById("btn1")
btn1.addEventListener("click", () =>{
    //populate variables
    let celsius = document.getElementById("celsius").value
    let fahrenheit = (celsius *(9/5)) + 32


    let x = `The converted fahrenheit is ${fahrenheit}`
    document.getElementById("output").innerHTML = x


})
```

Computing Celsius to Fahrenheit
Enter a temperature in Celsius: 100
Submit

The converted fahrenheit is 212

6)

```html
    Enter the number of cookies you ate:<input type="text" id="cookies" required><br />
    <button id="btn1">Submit</button>
    <p id="output"></p>


    <!--End of Item 6-->


    <!--javascript-->
    <script src="app6.js"></script>
```

```javascript
//6. COOKIE CALORIES
const btn1 = document.getElementById("btn1")
btn1.addEventListener("click", () =>{
    //populate variables
    const cookiesPerBag = 40
    const servingsPerBag = 10
    const caloriesPerServing = 300
    const cookiesPerServing = cookiesPerBag/servingsPerBag
    let caloriesPerCookie = caloriesPerServing/cookiesPerServing


    let cookies = document.getElementById("cookies").value


    let caloriesFromCookies = cookies*caloriesPerCookie


    let x = `The total calories consume is ${caloriesFromCookies}`
    document.getElementById("output").innerHTML = x


} )
```

Enter the number of cookies you ate: 10
Submit

The total calories consume is 750

7)

```html
    Number of males registered in the class:<input type="text" id="males" required><br />
    Number of females registered in the class:<input type="text" id="females" required><br />
    <button id="btn1">Submit</button>
    <p id="output"></p>


    <!--End of Item 7-->


    <!--javascript-->
    <script src="app7.js"></script>
```

```javascript
//7. MALE AND FEMALE
const btn1 = document.getElementById("btn1")
btn1.addEventListener("click", () =>{
    //populate variables
    let males = document.getElementById("males").value
    let females = document.getElementById("females").value
    let classes = parseInt(males)+parseInt(females)
    let percentageMale = (males/classes)*100
    let percentageFemale = (females/classes)*100

    let x = `The percentage of males is ${percentageMale} while the percentage of females is ${percentageFemale}`
    document.getElementById("output").innerHTML = x


} )
```

Number of males registered in the class: 10
Number of females registered in the class: 10
Submit

The percentage of males is 50 while the percentage of females is 50