

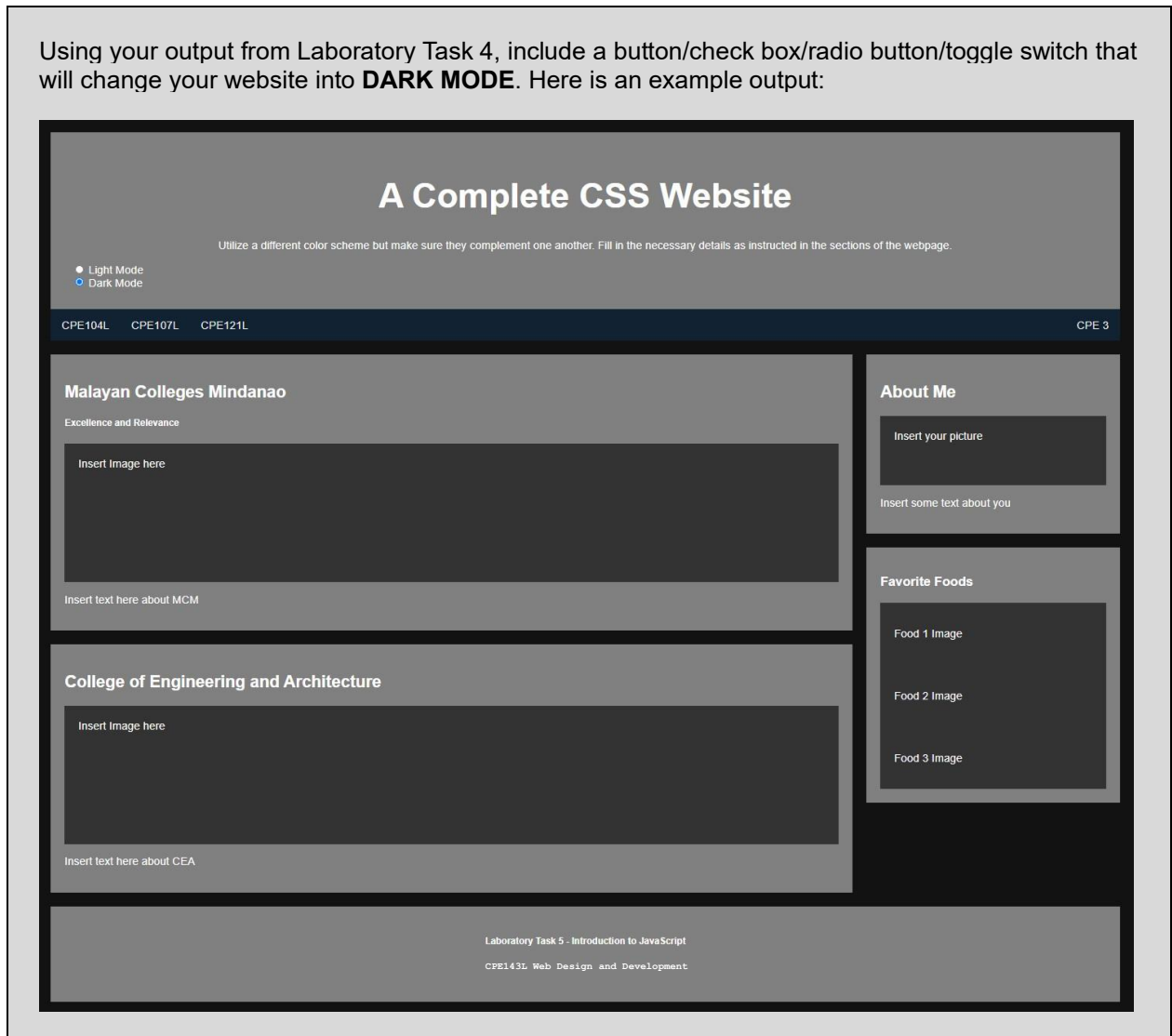
# INTRODUCTION TO JAVASCRIPT

<b>Name:</b>	PETER MILES ANTHONY L. LAPORRE	<b>Date:</b>	09/15/2023
<b>Program:</b>	B.S. IN COMPUTER ENGINEERING	<b>Section:</b>	A361

## Intended Learning Outcomes:

1. Create output with JavaScript.
2. Utilize JavaScript variables and data types.

Using your output from Laboratory Task 4, include a button/check box/radio button/toggle switch that will change your website into **DARK MODE**. Here is an example output:



=====

=

## HTML Source Code:

```
<!-- Name: Peter Miles Anthony L. Laporre -->
<!-- Course: Bachelor of Science in Computer Engineering -->
<!DOCTYPE html>
<html>
  <!-- linking CSS file to HTML file-->
  <head>
    <link rel = "stylesheet" href = "task4style.css">
    <title> Laboratory Task 4 - A Complete CSS Website </title>
  </head>
  <body>
    <header>
```

```

<!-- import javascript file -->
<script src = "javaFile.js"></script>
<h1> A Complete CSS Website </h1>
<h6> Peter Miles Anthony L. Laporre - B.S. in Computer Engineering </h6>
<!-- making buttons -->
<button onclick = buttonMode()> Light Mode </button>
<button onclick = buttonMode()> Dark Mode </button>
</header>
<div>
  <div class = "NavBar">
    <a href = "https://www.google.com"> CPE104L</a>
    <a href = "https://www.youtube.com"> CPE107L </a>
    <a href = "https://www.mcm.edu.ph"> CPE121L </a>
    <a class = "weird" href =
"https://mcm.edu.ph/programs/college/college-of-engineering-and-
architecture/computer-engineering/"> CPE </a>
  </div>
  <div class = "box">
    <div class = "SchoolBox">
      <h5> Mapua Malayan Colleges Mindanao </h5>
      <p> Excellence and Relevance</p>
      <img src = "logoMMCM.png">
      <div class = "aboutMMCM">
        <p> Mapúa Malayan Colleges Mindanao is a branch encompassing
Mapua University's technological and academic excellence in Mindanao,
        building a community of competent and innovative leaders
globally in demand (MMCM, 2023). </p>
      </div>
    </div>
    <div class = "selfBox">
      <div class = "aboutSelf">
        <img src = "mePic.jpg" width = "100" height = "125">
        <h5> About Me: </h5>
        <details>
          <Summary> Info </Summary>
          <p> Name: Peter Miles Anthony L. Laporre </p>
          <p> Age: 21 </p>
          <p> Occupation: Student </p>
          <p> Address: Km.31, Purok Caimito, Cagangohan, Panabo
City </p>
        </details>
        <details>
          <summary> School Info </summary>
          <p> Email Address: pmaLaporre@mcm.edu.ph </p>
          <p> Course: B.S. in Computer Engineering </p>
          <p> Year: Junior/3rd Year </p>
          <p> Organization: Institute of Computer Engineers of the
Philippines </p>
        </details>
      </div>
    </div>
    <div class = "CEABox">
      <h5> College of Engineering and Architecture </h5>
      <img src = "CpE_CEA.jpeg" width = "90%" height = "80%">
      <div class = "aboutCEA">
        <p> College of Engineering and Architecture (CEA) transforms
its graduates to become globally competitive,
        innovative leaders, socially responsible and result-
oriented engineers and architects.
        Mapúa MCM-CEA commits to educate students imbued with
good moral and ethical values while engaging economically
        viable research and innovation that is relevant locally
and beyond (MMCM, 2023). </p>
      </div>
    </div>
    <div class = "foodBox">
      <h5> Favorite Foods </h5>
      <p> Scabetche </p>
      <img src = "scabetche.jpeg" width = "125" height = "125">
      <p> Bicol Express </p>

```

```

        <img src = "bicol_express.webp" width = "125" height = "125">
        <p> Chicken Adobo </p>
        <img src = "Chicken_adobo.jpg" width = "125" height = "125">
    </div>
</div>
</div>
</body>
<footer>
    <h3> Laboratory Task 4 - Advanced CSS Styling </h3>
    <h3> CPE143L - Web Design and Development (Laboratory) </h3>
    <details>
        <summary> References </summary>
        <p> https://mcm.edu.ph/ </p>
        <p> https://mindanaotimes.com.ph/wp-
content/uploads/2023/04/MMCMPPhoto5_MCM-unveils-new-logo-new-name-as-Mapua-Malayan-
Colleges-Mindanao-1536x1024.jpg </p>
    </details>
</footer>
</html>

```

## CPE143L Web Design and Development (Laboratory)

College of Engineering and Architecture

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Laboratory Exercise 5

## INTRODUCTION TO JAVASCRIPT

### CSS Source Code:

```

header {
    text-align: center;
    border-style: groove;
    background: gray;
}

body {
    background-color: white;
    background-repeat: no-repeat;
    background-attachment: fixed;
    background-size: 100%;
    text-align: center;
}

div.box{
    width: 100%;
    height: 100%;
    display: flex;
    flex-direction: row;
    flex-wrap: wrap;
}

div.NavBar {
    background: red;
    border-style: groove;
    height: 30px;
    font-size: 15px;
    text-align: left;
}

```

```
    font-family: "Times New Roman";
}

a.weird {
    float: right;
}

div.SchoolBox{
    width: 850px;
    height: 450px;
    background-color: gray;
    padding: 1%;
    margin: 1%;
    border-style: groove;
}

div.aboutSelf{
    width: 350px;
    height: 600px;
    background-color: gray;
    padding: 1%;
    margin: 1%;
    border-style: groove;
    float: right;
}

div.CEABox{
    width: 850px;
    height: 850px;
    background-color: gray;
    padding: 1%;
    margin: 1%;
    border-style: groove;
}

div.foodBox {
    width: 350px;
    height: 600px;
    background-color: gray;
    padding: 1%;
    margin: 1%;
    border-style: groove;
    float: right;
}

.DarkMode {
    background-color: navy;
    color: white;
}

.LightMode {
    background-color: red;
    color: black;
}

li{
    font-size: 20%;
    text-align: justify;
}

p {
    text-align: justify;
}

h5 {
    font-size: 125%;
}

footer {
    border-style: groove;
    background: red;
    font-family: Arial;
```

```
font-size: 12px;
text-align: center;
padding: 1%;
font-weight: 100;
}
```

### JavaScript Source Code:

```
// making the buttons work
function buttonMode(){
    var element = document.body;
    element.classList.toggle("DarkMode")
}
```

### Output:



**Findings and Observations:**

To accomplish this laboratory task, I modified one design of my output to make the dark mode option function. I was looking throughout the internet at how to manipulate the different class designs and how to change it with the use of JavaScript via a button click but to no avail. In the future, I hope I can make it work with what I have in mind and properly.