

Laboratory Exercise 5

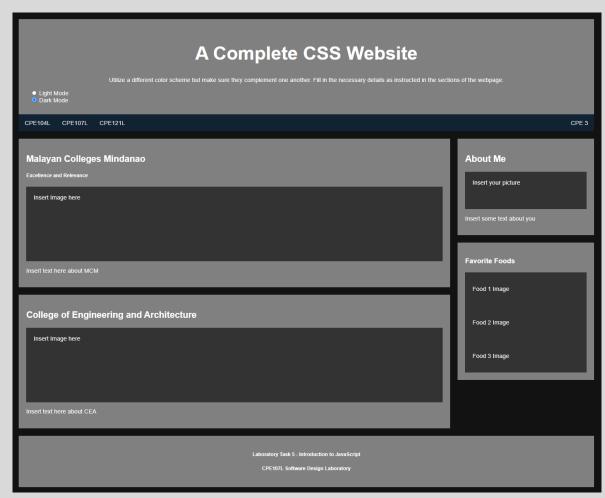
INTRODUCTION TO JAVASCRIPT

Name:	Justin Oryan Go	Date:	April 10, 2021
Program:	CPE	Section:	CPE107L

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:

Laboratory Exercise 5

INTRODUCTION TO JAVASCRIPT

```
checked="checked" onclick="if(this.checked){lightMode()}">
                  <br />
                  Dark Mode:
                  <input type="radio" name="radioDark" id="dark"</pre>
onclick="if(this.checked) {darkMode()}">
            </form>
            <div class="navPanel" id="navPanel">
                  margin-left: 2%;">CPE104L   CPE107L  CPE121L
                  padding-right: 1%; margin-left: auto;">CPE 3
            </div>
      </header>
      <div class="firstContent" id="firstContent">
            \langle h2 \rangle
                  Malayan Colleges Mindanao
            </h2>
            <img src="buildFront.jpg" alt="MCM" class="imge">
             Malayan Colleges Mindanao (MCM), a branch encompassing Mapua
University's technological and academic excellence in Mindanao.
      </div>
      <div class="secondContent" id="secondContent">
            <h2>About Me</h2>
            <img src="me.jpg" alt="Me" class="imge">
            I made this page.
      </div>
      <div class="thirdContent" id="thirdContent">
            <h2>College of Engineering and Architecture</h2>
            <img src="cea.jpg" alt="CEA" class="imge">
            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.
      </div>
      <div class="fourthContent" id="fourthContent">
            <h2>Favorite Foods</h2>
            <img src="pizza.jpg" alt="food 1" class="imge">
            <img src="hotpot.jpg" alt="food 2" class="imge">
            <img src="soup.jpg" alt="food 3" class="imge" style="margin-bottom:</pre>
5%;">
      </div>
      <footer id="footer">
            Laboratory Task 5 - Introduction to Javascript
            CPE107L Software Design Laboratory
      </footer>
      <script type="text/javascript" src="main.js"></script>
</body>
</html>
```

CSS Source Code:

```
body
{
    font-family: arial;
    display: grid;
    grid-template-columns: auto;
    grid-template-rows: auto;
    grid-template-areas:
    "header header header"
    "first first first second"
    "first first fourth"
    "third third third fourth"
    "third third third fourth"
```



Laboratory Exercise 5 INTRODUCTION TO JAVASCRIPT

```
"third third third ."
    "footer footer footer";
      row-gap: 10px;
      column-gap: 10px;
header
      grid-area: header;
      background: #EDE7F6;
h1
{
      text-align: center;
      font-size: 300%;
h2
{
      margin-left: 2%;
}
р
      margin-left: 2%;
.radio
{
      margin-left: 2%;
      font-size: 85%;
      margin-bottom: 2%;
.imge
{
      display: block;
      width: 92%;
      margin-left: auto;
      margin-right: auto;
.navPanel
      background: #000000;
      color: #FFFFFF;
}/*
.firstContent
      background: #EEEEEE;
      display: inline-block;
      width: 72%;
      height: auto;
      margin: 0.5%;
.secondContent
      background: #EEEEEE;
      display: inline-block;
      width: 25%;
      margin: 0.5%;
.thirdContent
{
      background: #EEEEEE;
      display: inline-block;
      width: 72%;
      height: auto;
      margin: 0.5%;
.fourthContent
      background: #EEEEEE;
```

Laboratory Exercise 5 INTRODUCTION TO JAVASCRIPT

```
display: inline-block;
       width: 25%;
       height: auto;
       margin: 0.5%;
footer
       background: #EEEEEE;
       padding: 4%;
      margin: 0.5%;
} * /
footer p
{
       text-align: center;
.firstContent
{
       grid-area: first;
       background: #EDE7F6;
}
.secondContent
       grid-area: second;
       background: #EDE7F6;
.thirdContent
{
       grid-area: third;
      background: #EDE7F6;
.fourthContent
       grid-area: fourth;
      background: #EDE7F6;
footer
       grid-area: footer;
       background: #EDE7F6;
```

JavaScript Source Code:

```
function lightMode(){
      document.body.style.background= "#ffffff";
      document.getElementById("navPanel").style.background= "#000000";
      document.getElementById("navPanel").style.color= "#fffffff";
      document.getElementById("header").style.background= "#EDE7F6";
      document.getElementById("header").style.color="#000000";
      document.getElementById("firstContent").style.background= "#EDE7F6";
      document.getElementById("firstContent").style.color="#000000";
      document.getElementById("secondContent").style.background= "#EDE7F6";
      document.getElementById("secondContent").style.color="#000000";
      document.getElementById("thirdContent").style.background= "#EDE7F6";
      document.getElementById("thirdContent").style.color="#000000";
      document.getElementById("fourthContent").style.background= "#EDE7F6";
      document.getElementById("fourthContent").style.color="#000000";
      document.getElementById("footer").style.background= "#EDE7F6";
      document.getElementById("footer").style.color="#000000";
function darkMode(){
      document.body.style.background= "#000000";
      document.getElementById("navPanel").style.background= "#a8acal";
```



Laboratory Exercise 5 INTRODUCTION TO JAVASCRIPT

```
document.getElementById("navPanel").style.color= "#000000";
document.getElementById("header").style.background= "#a5a1ac";
document.getElementById("header").style.color="#ffffff";
document.getElementById("firstContent").style.background= "#a5a1ac";
document.getElementById("firstContent").style.color="#ffffff";
document.getElementById("secondContent").style.background= "#a5a1ac";
document.getElementById("secondContent").style.color="#ffffff";
document.getElementById("thirdContent").style.background= "#a5a1ac";
document.getElementById("thirdContent").style.color="#ffffff";
document.getElementById("fourthContent").style.background= "#a5a1ac";
document.getElementById("fourthContent").style.color="#ffffff";
document.getElementById("footer").style.background= "#a5a1ac";
document.getElementById("footer").style.color="#fffffff";
```

Output:





Laboratory Exercise 5

INTRODUCTION TO JAVASCRIPT

Findings and Observations:

With JavaScript, I can see the broad possibilities it can give the person making the webpage. With Javascript, I can already provide so much functionality to the webpage as even in this task the simple turning the webpage to dark mode has shown how robust the language is. It can effectively do the job of both html and css and its own unique capabilities.