

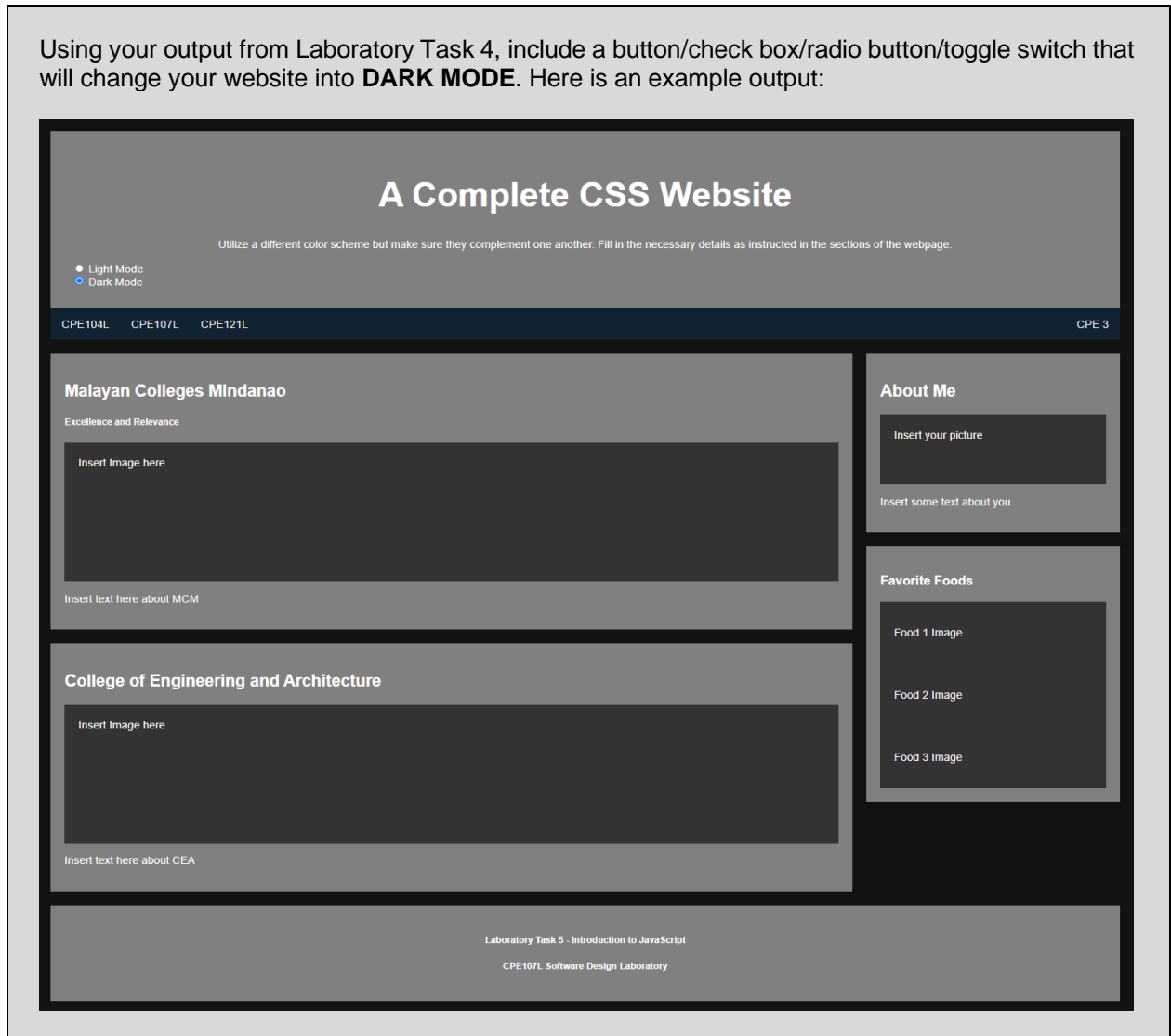
## INTRODUCTION TO JAVASCRIPT

<b>Name:</b>	Justin Oryan Go	<b>Date:</b>	April 10, 2021
<b>Program:</b>	CPE	<b>Section:</b>	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:

```

<!DOCTYPE html>
<html>
<head>
    <title>Lab Task 5</title>
    <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
    <header id="header">
        <h1>A Complete CSS Website</h1>

        <form class="radio">
            Light Mode:
            <input type="radio" name="radioDark" id="light"

```

[illegible]

### CSS Source Code:

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

```

    "third third third ."
    "footer 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%;
}
p
{
    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;

```

```
        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= "#ffffff";
    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= "#a8aca1";
}
```

```
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="#ffffff";
}
```

**Output:**



## 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.