CA5213 – Full Stack Laboratory
Lab worksheet #3 - DOM and event basics

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(*Due:* Tuesday, May 09, 2023)

(10 Points)

The objective of this assignment is to give you some hands on experience with the DOM and responding to events.

Practice Exercises

1. Create an index.html file and put four p elements as above: Get the first paragraph by using ***document.querySelector(tagname)*** and tag name
2. Get each of the paragraph using ***document.querySelector('#id')*** and by their id
3. Get all the p as nodeList using ***document.querySelectorAll(tagname)*** and by their tag name
4. Loop through the nodeList and get the text content of each paragraph.
5. Change stye of each paragraph using JavaScript(eg. color, background, border, font-size, font-family)
6. Select all paragraphs and loop through each elements and give the first and third paragraph a color of green, and the second and the fourth paragraph a red color.

Programming assignments

1. Develop an application, use the following HTML elements. Try to apply the styles and functionality using JavaScript.
   a. The year color is changing every 3 second
   b. The date and time background color are changing every on seconds
   c. Completed challenge has background green (First Three Challenges)
   d. Ongoing challenge has background yellow (Fourth and Fifth)
   e. Coming challenges have background red (Sixth and Seventh)

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1. <!-- index.html -->
2. <!DOCTYPE html>
3. <html lang="en">
4.   <head>
5.     <title>CA5314 : Full Stack Laboratory </title>
6.   </head>
7.   <body>
8.     <div class="wrapper">
9.         <h1>Code Challenge 2023</h1>
10.        <h2>MCA Association</h2>
11.        <ul>
```

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12.                <li>AI & Generative AI</li>
13.                <li>CX & Digital Experience</li>
14.                <li>Code Automation</li>
15.                <li>Connected Product and Services</li>
16.                <li>Data World and Cloud Computing</li>
17.                <li>Quantum Computing</li>
18.                <li>Robotics and Quality Engineering</li>
19.            </ul>
20.        </div>
21.    </body>
22.</html>
```