

Case Study : Dynamic Styling

Changing the styling dynamically

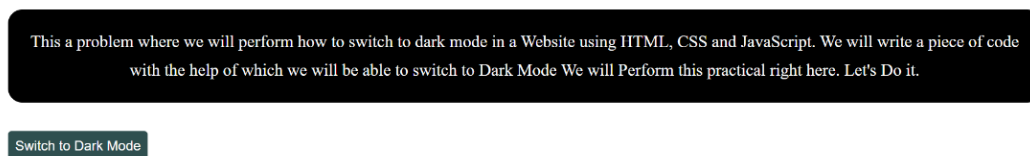
HTML Behaviour :

- There is a div with an id **main**.
- Inside the **main**, there is a paragraph with id **para1**.
- para1 consists of text -
'*This a problem where we will perform how to switch to dark mode in a Website using HTML, CSS and JavaScript. We will write a piece of code with the help of which we will be able to switch to Dark Mode We will Perform this practical right here. Let's Do it.*'
- After **para1**, inside the **main**, there is a button with id **btn**.
- **btn** contains the text - '*Switch to Dark Mode*'.

CSS Behaviour :

- There are 3 universal properties i.e. *margin of 0px from all sides, padding from 0px from all sides, and box-sizing of the border box.*
- The div with id **main** has a margin of *0px from top and bottom and 40px from left and right.*
- The element with id **para1** has *aligned its text as center; background-color black; font color white; margin of 40px from top and bottom and 0px from left and right; padding of 25px from all sides; font size of 1.5em; line-height of 40px; border-radius of 20px.*
- The element with id **btn** has a *border of 0px; outline of 0px; background color of rgb(47, 79, 79); font color as white; padding of 10px from all sides; font size of 1.2em; border-radius of 5px; cursor as a pointer.*

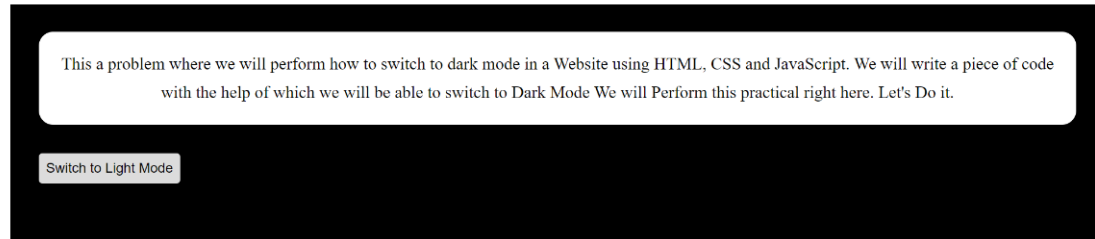
The Final Layout will be like the image displayed below :



JS Behaviour :

- When the **btn** is clicked, JS code will execute and will convert the *Light mode (default) into Dark mode and vice versa.*
- If the Webpage is currently in **Light Mode (default)**, then it will be converted into **Dark mode** with the change in the following properties :
 1. the background color of the **body** will be changed to **black**.
 2. the background color of **para1** will be changed to *white* and the font color will be changed to *black*.
 3. the background color of **btn** will be changed to **#dcdcdc**; the font color will be changed to **black** and now it will contain the text - '*Switch to Light Mode*'.

The Final Layout after switching to Dark Mode will be like the image displayed below :



- If the Webpage is currently in **Dark Mode**, then it will be converted into **Light Mode (default)** with its default CSS Properties.