FRONT-END MASTERY COURSE

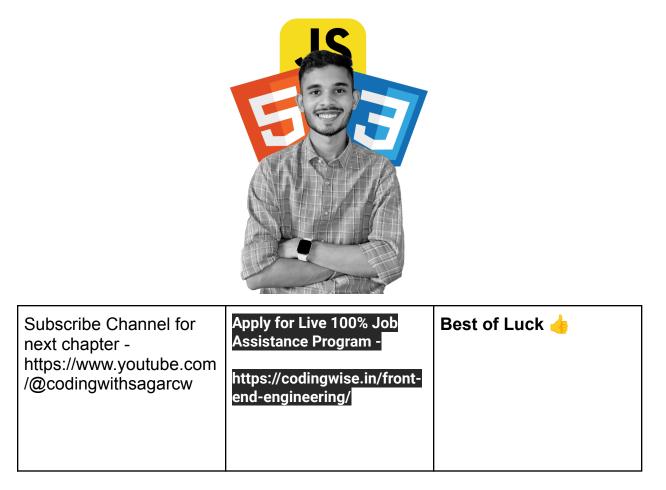| Subscribe Channel for next chapter - https://www.youtube.com /@codingwithsagarcw	Apply for Live 100% Job Assistance Program - https://codingwise.in/front-end-engineering/	Best of Luck 👍

This assignment will test your understanding of using colors in CSS. You will apply various CSS color techniques to style a simple web page, ensuring that it is visually appealing, accessible, and well-structured.

Question 1: Applying Hexadecimal and RGB Colors (5 Marks)

Task:

1. Create an HTML file named `color-hex-rgb.html`.
2. Apply a **hexadecimal** color to the background of the page.
3. Use an **RGB** color to style the text of a heading.

4. Add a paragraph below the heading and apply an **RGBA** color for the text with 50% opacity.

Hints:

- Use the `background-color` property for the page background.
- Use the `color` property to style the heading and paragraph text.

Marking Scheme:

- Hexadecimal color applied correctly (2 Marks)
- RGB color applied correctly (2 Marks)
- RGBA color with opacity applied correctly (1 Mark)

Question 2: Using HSL and HSLA for Styling (5 Marks)

Task:

1. Create an HTML file named `color-hsl-hsla.html`.
2. Create a `div` element with a background color using an **HSL** value.
3. Add a second `div` element with a background color using an **HSLA** value with 70% opacity.
4. Inside each `div`, add text that contrasts well with the background color.

Hints:

- Experiment with different values for Hue, Saturation, and Lightness to find the right color.
- Ensure that the text is readable against the background.

Marking Scheme:

- HSL color applied correctly (2 Marks)
- HSLA color with opacity applied correctly (2 Marks)
- Proper text contrast with background (1 Mark)

Question 3: Creating a Color Scheme (10 Marks)

Task:

1. Create an HTML file named `color-scheme.html`.

2. Design a simple web page with a **consistent color scheme** using a combination of Hex, RGB, and HSL colors.
3. The page should include the following sections:
    ○ A header with a background color and a heading.
    ○ A navigation bar with colored links.
    ○ A main content area with at least two paragraphs and a button.
    ○ A footer with background and text colors that contrast with the rest of the page.
4. Ensure the color scheme is aesthetically pleasing and consistent across all sections.

Hints:

- Choose a primary color, a secondary color, and accent colors to create a harmonious palette.
- Use `:hover` effects to change link and button colors on mouseover.