

Exercise 5 - Paragraph Highlighter

Objective: Develop an interactive highlighting tool that allows users to change the background color of paragraphs using a color picker.

Instructions:

1. Understanding the Objective:

- Your task is to use JavaScript to apply a color, chosen by a user via an input color picker, as the background color for paragraphs when they're clicked.

2. JavaScript:

◦ Getting the Color:

- The color picker's value (the chosen color) is obtained by accessing the `value` property of the color picker element (`<input type="color" id="colorPicker">`). You can get a reference to this element using `document.getElementById('colorPicker')` .

◦ write a `highlight` Function:

- This function, `highlight(element)` , will be triggered whenever a paragraph is clicked.
 1. Inside the function, you first fetch the chosen color from the color picker using:

```
const color = document.getElementById('colorPicker').value;
```

2. With the fetched color value, you'll set the background color of the clicked paragraph. Since the clicked paragraph is passed as the `element` parameter to the `highlight` function, you can set its `backgroundColor` style property.
3. After this function is executed, the clicked paragraph should have its background changed to the color chosen in the color picker.

3. HTML:

- Use the attached HTML code for this exercise.

4. Implementing the Feature:

- To bind this feature to every paragraph, the `highlight` function is set to be called upon the `onclick` event of each paragraph in the HTML. The clicked paragraph element is passed into the function using `this`.

5. Testing the Highlighter Tool:

- Open the HTML file in a browser.
- Use the color picker to select a color.
- Click on any paragraph. Its background should change to the selected color.
- Change the color using the color picker and click on another paragraph. This new paragraph should now reflect the newly selected color.