

Assignment 10:

Title: Using Event Handling.

Objective: To understand the concept of Event Handling in JavaScript.

Tasks: Design a webpage that changes the background color or image dynamically using JavaScript events such as `onClick` and `onMouseOver`.

Software Required:

1. Notepad (or any text editor)
2. Any web browser (Google Chrome / Edge / Firefox)

Procedure:

Step 1: Open Notepad (or any text editor).

Step 2: Create new file.

Step 3: Save the file as

- File Name: assignment10.html
- Save as type: All Files
- Encoding: UTF-8
- Location: Desktop or your project folder

Step 4: Type the HTML program using

Concept	Tags Introduced
Script Tag	<code><script type="text/JavaScript"></code>
Creating Function	<code>function changeColor(){}</code>
Mouse Event	<code>onmouseover</code>
Click Event	<code>onclick</code>
Button	<code><input type="button"></code>
Changing CSS	<code>document.body.style.backgroundColor</code>
Image Change	<code>document.body.style.backgroundImage</code>

Step 5: Run assignment10.html in any web browser

Question 1: Change background color using `onClick`

Example:

```
<input type="button" value="Blue" onclick="document.body.style.backgroundColor='blue'">
```

Student Activity: Create three buttons Red, Green, and Yellow. When clicked, the background color of the webpage should change accordingly.

Question 2: Change background color using onMouseOver

Example:

```
<p onmouseover="document.body.style.backgroundColor='pink'">
```

Move mouse over this text

```
</p>
```

Student Activity: Create a text message that changes the color to Red when the mouse is moved over it.

Question 3: Change background image using onClick

Example:

```
<input type="button" value="Set Image" onclick="document.body.style.backgroundColor='url(bg.jpg)'">
```

Student Activity: Create a button that changes the webpage background image this element only when clicked.

Question 4: Restore default background

Example:

```
<input type="button" value="Reset" onclick="document.body.style.backgroundColor='white'">
```

Student Activity: Create a reset button to restore the original background.

Question 5: Mini Event Handling Project

Student Activity: Create a small project using both onClick and onMouseOver events to change background colors and images dynamically.

Conclusion: Successfully implemented JavaScript event handling using onClick and onMouseOver to dynamically change the webpage background color and image.