**JavaScript Lab: Variables, Functions & DOM**

Activity 1

<!DOCTYPE html>

</content>

</create\_file>

<create\_file>

<path>index.html</path>

<content>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Greeting App</title>

</head>

<body>

<h1>Welcome</h1>

<p>Open the browser console to see the greeting.</p>

<!-- Link to the external JS script -->

<script src="script.js"></script>

</body>

</html>

</content>

</create\_file>

Output:

index.html

Welcome

Open the browser console to see the greeting.

Activity 2

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Random Background Color Changer</title>

</head>

<body>

<button id="colorButton">Change Background Color</button>

<p id="colorCode">Hex Code: </p>

<script src="script.js"></script>

</body>

</html>

Output:

Change Background Color

Hex Code: