//Write a Javascript Program that changes the background color of page by refreshing the page every 2 seconds.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Background Color Changer</title>

<style>

body {

display: flex;

justify-content: center; align-items: center; height: 100vh;

transition: background-color 1s; /\* Smooth transition \*/

}

</style>

</head>

<body>

<h1 style="color: white;">Background Color Changes Every 2 Seconds</h1>

<script>

function getRandomColor() {

const letters = '0123456789ABCDEF'; let color = '#';

for (let i = 0; i < 6; i++) {

color += letters[Math.floor(Math.random() \* 16)];

}return color;

}

function changeBackgroundColor() {

document.body.style.backgroundColor = getRandomColor(); // Change background color

}

setInterval(changeBackgroundColor, 2000); // Change color every 2 seconds

</script>

</body>

</html>