Task1 :Create an interactive navigation menu that changes color or style when scrolled or when hovering over a menu item. The navigation menu should have a fixed position and be visible on all pages. Use HTML to structure the menu, CSS to style it, and JavaScript to add interactivity, such as changing the background color or font color of the menu when it is scrolled or when a menu item is hovered over

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Interactive Navigation Menu</title>

<style>

body {

margin: 0;

font-family: Arial, sans-serif;

}

#navbar {

position: fixed;

top: 0;

left: 0;

width: 100%;

background-color: #333;

padding: 10px 0;

transition: background-color 0.3s ease;

z-index: 1000;

}

#navbar ul {

list-style-type: none;

margin: 0;

padding: 0;

text-align: center;

}

#navbar li {

display: inline-block;

margin: 0 20px;

}

#navbar li a {

color: #fff;

text-decoration: none;

padding: 10px 15px;

transition: color 0.3s ease;

}

#navbar li a:hover {

color: #ff8c00;

}

</style>

</head>

<body>

<div id="navbar">

<ul>

<li><a href="#">Home</a></li>

<li><a href="#">About</a></li>

<li><a href="#">Services</a></li>

<li><a href="#">Portfolio</a></li>

<li><a href="#">Contact</a></li>

</ul>

</div>

<div style="height: 1000px; background-color: #f9f9f9; padding: 20px;">

<h2>Scroll down to see the effect</h2>

</div>

<script>

window.onscroll = function() {scrollFunction()};

function scrollFunction() {

if (document.body.scrollTop > 50 || document.documentElement.scrollTop > 50) {

document.getElementById("navbar").style.backgroundColor = "#555";

} else {

document.getElementById("navbar").style.backgroundColor = "#333";

}

}

</script>

</body>

</html>