	<b>Course Name:</b> Web Technology Lab <b>Course Code:</b> 23CP306P <b>Faculty:</b> Punit Gupta	<b>EXPERIMENT NO. 5</b>
		<b>Branch:</b> CSE <b>Semester:</b> V

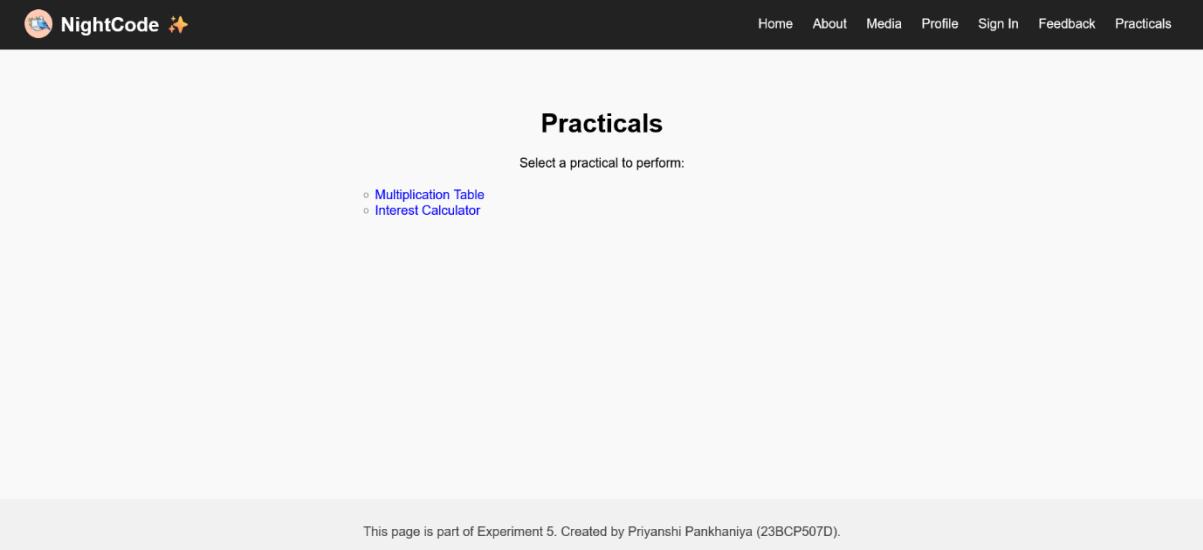
## Experiment 5: Implement Multiplication Table Generator and Interest Calculator Using JavaScript.

# Experiment 5: Implement Multiplication Table Generator and Interest Calculator Using JavaScript.

## Code: practicals.html

```
<html>
<head>
<link rel="stylesheet" href="style.css">
</head>
<body >
<header>
<div class="home-div">

<h2 class="nightcode">NightCode ⚡</h2>
</div>
<nav>
<a href="home.html">Home</a>
<a href="about.html" >About</a>
<a href="media.html" >Media</a>
<a href="profile.html" >Profile</a>
<a href="Signin.html" >Sign In</a>
<a href="review.html" >Feedback</a>
<a href="practicals.html">Practicals</a>
</nav>
</header>
<div id="div-intro">
<h1>Practicals</h1>
<p>Select a practical to perform:</p>
<ul>
<li><a href="multiplication.html">Multiplication Table</a></li>
<li><a href="interest.html">Interest Calculator</a></li>
</ul>
</div>
<footer>
<p>This page is part of Experiment 5. Created by Priyanshi Pankhaniya (23BCP507D).</p>
</footer>
</body>
</html>
```

***Output:***


The screenshot shows a dark-themed web application. At the top, there's a navigation bar with links for Home, About, Media, Profile, Sign In, Feedback, and Practicals. On the left, there's a logo for 'NightCode' with a small icon. The main content area is titled 'Practicals' and contains a sub-header 'Select a practical to perform:' followed by two options: 'Multiplication Table' and 'Interest Calculator'. At the bottom of the page, a footer bar displays the text 'This page is part of Experiment 5. Created by Priyanshi Pankhaniya (23BCP507D)'.

*practicals.html***Code: multiplication.html**

```
<html>
<head>
<title>Multiplication Table</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<header>
<div class="home-div">

<h2 class="nightcode">NightCode ✨</h2>
</div>
<nav>
<a href="home.html">Home</a>
<a href="about.html">About</a>
<a href="media.html">Media</a>
<a href="profile.html">Profile</a>
<a href="Signin.html">Sign In</a>
<a href="review.html">Feedback</a>
<a href="practicals.html">Practicals</a>
</nav>
</header>
<div id="div-intro">
<center>
<form>
<fieldset>
<legend>Multiplication Table</legend>
<label for="num">Enter Number:</label>
<input type="number" id="num"><br><br>
<button type="button" onclick="print()">Generate Table</button>
</fieldset>
</form>
</center>

```

```

<div id="result" style="margin-top:20px; font-weight:bold;"></div>
</div>
<footer>
<p>This page is part of Experiment 5. Created by Priyanshi Pankhaniya (23BCP507D).</p>
</footer>
<script>
function print()
{
let num= parseInt(document.getElementById("num").value);
let text = "";
for (let i = 1; i <= 10; i++) {
text += num + " x " + i + " = " + (num * i) + "<br>";
}
document.getElementById("result").innerHTML = text;
}
</script>
</script>
</body>
</html>

```

NightCode ✨

Home About Media Profile Sign In Feedback Practicals

Multiplication Table

Enter Number:

Generate Table

5 × 1 = 5  
5 × 2 = 10  
5 × 3 = 15  
5 × 4 = 20  
5 × 5 = 25  
5 × 6 = 30  
5 × 7 = 35  
5 × 8 = 40  
5 × 9 = 45  
5 × 10 = 50

This page is part of Experiment 5. Created by Priyanshi Pankhaniya (23BCP507D).

*multiplication.html*

## Code: interest.html

```

<html>
<head>
<title>Interest Calculator</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<header>
<div class="home-div">

<h2 class="nightcode">NightCode ✨ </h2>
</div>
<nav>
<a href="home.html">Home</a>
<a href="about.html">About</a>
<a href="media.html">Media</a>
<a href="profile.html">Profile</a>
<a href="Signin.html">Sign In</a>
<a href="review.html">Feedback</a>
<a href="practicals.html">Practicals</a>
</nav>
</header>
<div id="div-intro">
<center>
<form>
<fieldset>
<legend>Interest Calculator</legend>
<label>Principal (₹): <span id="pVal">5000</span></label><br>
<input type="range" id="principal" min="1000" max="100000" step="1000" value="5000"
onchange="calculateInterest()" oninput="updateDisplay()"><br><br>
<label>Rate (%): <span id="rVal">5</span></label><br>
<input type="range" id="rate" min="1" max="20" step="0.5" value="5" onchange="calculateInterest()"
oninput="updateDisplay()"><br><br>
<label>Time (Years): <span id="tVal">1</span></label><br>
<input type="range" id="time" min="1" max="30" step="1" value="1" onchange="calculateInterest()"
oninput="updateDisplay()"><br><br>
</fieldset>
</form>
</center>
<div id="result" style="margin-top:20px; font-weight:bold;"></div>
</div>
<script>
function updateDisplay() {
document.getElementById('pVal').textContent = document.getElementById('principal').value;
document.getElementById('rVal').textContent = document.getElementById('rate').value;
document.getElementById('tVal').textContent = document.getElementById('time').value;
}
function calculateInterest() {
const p = parseFloat(document.getElementById('principal').value);
const r = parseFloat(document.getElementById('rate').value);
const t = parseFloat(document.getElementById('time').value);
const si = (p * r * t) / 100;
const total = p + si;
}

```

```

document.getElementById('result').innerHTML =
`Simple Interest: ₹${si.toFixed(2)}<br>Total Amount: ₹${total.toFixed(2)}`;
}
updateDisplay();
calculateInterest();
</script>
<footer>
<p>This page is part of Experiment 5. Created by Priyanshi Pankhaniya (23BCP507D).</p>
</footer>
</body>
</html>

```

The screenshot shows a web-based interest calculator. At the top, there's a navigation bar with a logo and links for Home, About, Media, Profile, Sign In, Feedback, and Practicals. The main content area is titled "Interest Calculator". It contains three horizontal sliders with labels: "Principal (₹): 37000", "Rate (%): 3", and "Time (Years): 8". Below the sliders, the results are displayed: "Simple Interest: ₹8880.00" and "Total Amount: ₹45880.00". A footer at the bottom of the page states, "This page is part of Experiment 5. Created by Priyanshi Pankhaniya (23BCP507D)."

*interest.html*