

PRACTICAL –1

Write a program to create a HTML page which has properly aligned paragraphs with image.

```
<!DOCTYPE html>
<html lang="en">

<head>

<meta charset="UTF-8">

<title>Paragraph with Image Alignment</title>

<style>
.image-box {

float: left;

margin-right: 20px;

}

.image-box img {

width: 250px;

height: auto;

border-radius: 8px;

}

.text-box {

text-align: justify;

}

</style>

</head>

<body>
```

```
<h2>Aligned Paragraph with Image</h2>
```

```
<div class="container">
```

```
<div class="image-box">
```

```

```

```
</div>
```

```
<div class="text-box">
```

```
<p>
```

Web Technology refers to the tools and techniques used to develop web pages and web applications. It includes HTML for structure, CSS for styling, and JavaScript for interactivity. HTML is the backbone of web development. It helps in organizing content such as text, images, links, and tables in a structured format that can be displayed in a web browser.

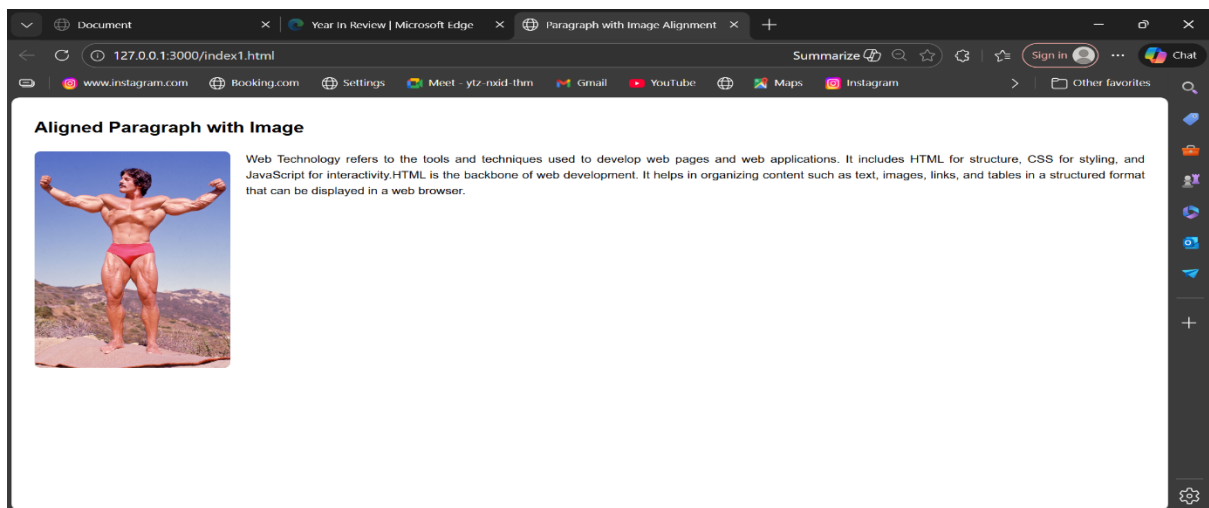
```
</p>
```

```
</div>
```

```
</div>
```

```
</body></html>
```

OUTPUT



PRACTICAL -2

**Write a program to create in HTML to create Student feedback form
(use textbox, text-area checkbox, radio button, select box etc.)**

```
<!DOCTYPE html>
<html>
<head>
<title>Student Feedback Form</title>
<style>
body {
font-family: Arial, sans-serif;
background-color: #f2f2f2;
}
.form-box {
width: 40%;
margin: auto;
background: white;
padding: 20px;
border-radius: 5px;
}
h2 {
text-align: center;
}
label {
font-weight: bold;
}
input, textarea, select {
width: 100%;
padding: 6px;
margin: 6px 0;
}
</style>
</head>
<body>
<div class="form-box">
<h2>Student Feedback Form</h2>
<form>
<label>Student Name:</label>
<input type="text" name="name">
<label>Roll Number:</label>
<input type="text" name="roll">
<label>Gender:</label><br>
<input type="radio" name="gender"> Male
<input type="radio" name="gender"> Female
<input type="radio" name="gender"> Other
<br><br>
<label>Subjects Liked:</label><br>
<input type="checkbox"> HTML
<input type="checkbox"> CSS
<input type="checkbox"> JavaScript
<input type="checkbox"> PHP
<br><br>
<label>Course Rating:</label>
<select>
<option>Excellent</option>
```

```
<option>Very Good</option>
<option>Good</option>
<option>Average</option>
</select>

<label>Feedback:</label>
<textarea rows="4"></textarea>

<br><br>
<input type="submit" value="Submit">
<input type="reset" value="Reset">
</form>
</div>

</body>
</html>
```

OUTPUT

Student Feedback Form

Student Name:

Roll Number:

Gender:

Male

Female

Other

Subjects Liked:

HTML

CSS

JavaScript

PHP

Course Rating:

Excellent

Feedback:

Submit

Reset

PRACTICAL- 3

Create a web page using frame. Divide the page into two parts with Navigation links on left hand side of page(width=20%) and content page on right hand side of page(width=80%).

index.html

```
<!DOCTYPE html>

<html>

<head>
<title>Frame Layout</title>
</head>
<frameset cols="20%,80%">
<frame src="nav.html" name="navigation">
<frame src="content.html" name="content">
</frameset>
</html>
```

Nav.html

```
<!DOCTYPE html>
<html>
<head>
<title>Navigation</title>
</head><body bgcolor="#f0f0f0">
<h3>Navigation</h3><ul><li><a href="home.html" target="content">Home</a></li>
<li><a href="about.html" target="content">About</a></li>
<li><a href="contact.html" target="content">Contact</a></li>
</ul></body></html>
```

Content.html

```
<!DOCTYPE html>
<html><head>
<title>Content</title></head>
<body><h2>Welcome</h2><p>Select a link from the navigation menu.</p></body></html>
```

OUTPUT

Navigation

- [Home](#)
- [About](#)
- [Contact](#)

Welcome

Select a link from the navigation menu.

PRACTICAL -4

Create your class TIMETABLE using table tag. Use external CSS to format it.

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Time Table</title>
<link rel="stylesheet" href="style.css">
</head>

<body>

<h1>GOVT. COLLEGE OF ENGINEERING AND TECHNOLOGY, JAMMU</h1>

<p>
Time Table of B.E. 3rd Semester of Computer Science and Engineering
Batch 2024 w.e.f 1st August 2025
</p>

<table>
<thead>
<tr>
<th>Period</th>
<th>9:00 - 10:00</th>
<th>10:00 - 11:00</th>
<th>11:00 - 12:00</th>
<th>12:00 - 01:00</th>
<th>01:00 - 02:00</th>
<th>02:00 - 03:00</th>
<th>03:00 - 04:00</th>
<th>04:00 - 05:00</th>
</tr>
</thead>

<tbody>

<!-- MONDAY -->
<tr>
<td rowspan="2">MONDAY</td>
<td rowspan="2">Digital System Design</td>
<td rowspan="2">Web Technology</td>
<td rowspan="2">Entrepreneurship and Business Strategies</td>
<td rowspan="2">OOP using C++</td>
<td rowspan="9" class="break">B<br>R<br>E<br>A<br>K</td>
<td rowspan="2">Mathematics-III</td>
<td colspan="2" rowspan="2">OOP using C++</td>
</tr>
<tr>
```

```
<td colspan="2">Web Technology Lab</td>
</tr>
```

```
<!-- TUESDAY -->
<tr>
<td>TUESDAY</td>
<td>Entrepreneurship & Business Strategies</td>
<td>OOP using C++</td>
<td colspan="2">Digital System Design Lab</td>
<td>Web Technology</td>
<td>Mathematics-III</td>
<td>Training & Placement Counselling</td>
</tr>
```

```
<!-- WEDNESDAY -->
<tr>
<td rowspan="2">WEDNESDAY</td>
<td rowspan="2">Computer Organisation & Architecture</td>
<td rowspan="2">OOP using C++</td>
<td colspan="2">OOP using C++</td>
<td rowspan="2">Digital System Design</td>
<td>Entrepreneurship & Business Strategies</td>
<td rowspan="2">Doubt Clearing Class</td>
</tr>
<tr>
<td colspan="2">Web Technology Lab</td>
<td>Computer Organisation & Architecture</td>
</tr>
```

```
<!-- THURSDAY -->
<tr>
<td rowspan="2">THURSDAY</td>
<td>Mathematics-III</td>
<td rowspan="2">Cyber Ethics and Laws</td>
<td>Web Technology</td>
<td>Computer Organisation & Architecture</td>
<td rowspan="2">Digital System Design</td>
<td colspan="2">Digital System Design Lab</td>
</tr>
<tr>
<td>Entrepreneurship & Business Strategies</td>
<td>OOP using C++</td>
<td>Digital System Design</td>
<td colspan="2">MOOC</td>
</tr>
```

```
<!-- FRIDAY -->
<tr>
<td rowspan="2">FRIDAY</td>
<td>OOP using C++</td>
<td rowspan="2">Digital System Design</td>
<td rowspan="2">Mathematics-III</td>
<td>Entrepreneurship & Business Strategies</td>
<td rowspan="2">Cyber Ethics and Laws</td>
<td rowspan="2">Computer Organisation & Architecture</td>
<td rowspan="2">Library</td>
</tr>
```

```
<tr>
<td>Web Technology</td>
<td>Mathematics-III</td>
</tr>

</tbody>
</table>

</body>
</html>
```

Style.css

```
* {
text-align: center;
margin: 4px;
font-family: Arial, sans-serif;
}
h1 {
margin-top: 20px;}
p {
font-size: 15px;
margin-bottom: 15px;}
table, th, td {
border: 3px solid black;
border-collapse: collapse;}
table {
width: 100%;}
th, td {
padding: 8px;}
.break {
font-weight: bold;
}
```

OUTPUT

GOVT. COLLEGE OF ENGINEERING AND TECHNOLOGY, JAMMU									
Time Table of B.E. 3rd Semester of Computer Science and Engineering Batch 2024 w.s.r 1st August 2025									
Period	9:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	
MONDAY	Digital System Design	Web Technology	Entrepreneurship and Business Strategies	OOP using C++	B R E A K	Mathematics-III	OOP using C++		
							Web Technology Lab		
TUESDAY	Entrepreneurship & Business Strategies	OOP using C++	Digital System Design Lab			Web Technology	Mathematics-III	Training & Placement Counselling	
			OOP using C++						
WEDNESDAY	Computer Organisation & Architecture	OOP using C++	Web Technology Lab			Digital System Design	Entrepreneurship & Business Strategies	Doubt Clearing Class	
							Computer Organisation & Architecture		
THURSDAY	Mathematics-III	Cyber Ethics and Laws	Web Technology	Computer Organisation & Architecture		Digital System Design	Digital System Design Lab		
	Entrepreneurship & Business Strategies		OOP using C++	Digital System Design			MOOC		
FRIDAY	OOP using C++	Digital System Design	Mathematics-III	Entrepreneurship & Business Strategies		Cyber Ethics and Laws	Computer Organisation & Architecture	Library	
	Web Technology			Mathematics-III					

PRACTICAL -5

Create your resume using HTML tags and then use inline CSS for the formatting.

```
<!DOCTYPE html>
<html>
<head>
<title>My Resume</title>
</head>

<body style="font-family: Arial, sans-serif; background-color:#f4f4f4; margin:20px;">

<!-- Header Section -->
<div style="background-color:#2c3e50; color:white; padding:15px; display:flex; align-items:center;">
<!-- Profile Image -->


<!-- Name & Title -->
<div>
<h1 style="margin:0;">Noorjehan Baniya</h1>
<p style="margin:5px;">Engineering Student</p>
</div>

</div>

<!-- Personal Details -->
<div style="background-color:white; padding:15px; margin-top:10px;">
<h2 style="color:#2c3e50; border-bottom:2px solid #2c3e50;">Personal Details</h2>
<p><b>Email:</b> <a href="mailto:noorjehan@email.com">noorjehan@email.com</a></p>
<p><b>Phone:</b> +91-XXXXXXXXXX</p>
<p><b>Address:</b> India</p>
</div>

<!-- Career Objective -->
<div style="background-color:white; padding:15px; margin-top:10px;">
<h2 style="color:#2c3e50; border-bottom:2px solid #2c3e50;">Career Objective</h2>
<p>
To obtain a challenging position as an engineer where I can utilize my technical
skills and contribute to the growth of the organization.
</p>
</div>

<!-- Education -->
<div style="background-color:white; padding:15px; margin-top:10px;">
<h2 style="color:#2c3e50; border-bottom:2px solid #2c3e50;">Education</h2>
<ul>
<li>B.E. in Engineering – Pursuing</li>
<li>12th Standard – Completed</li>
<li>10th Standard – Completed</li>
</ul>
</div>
```

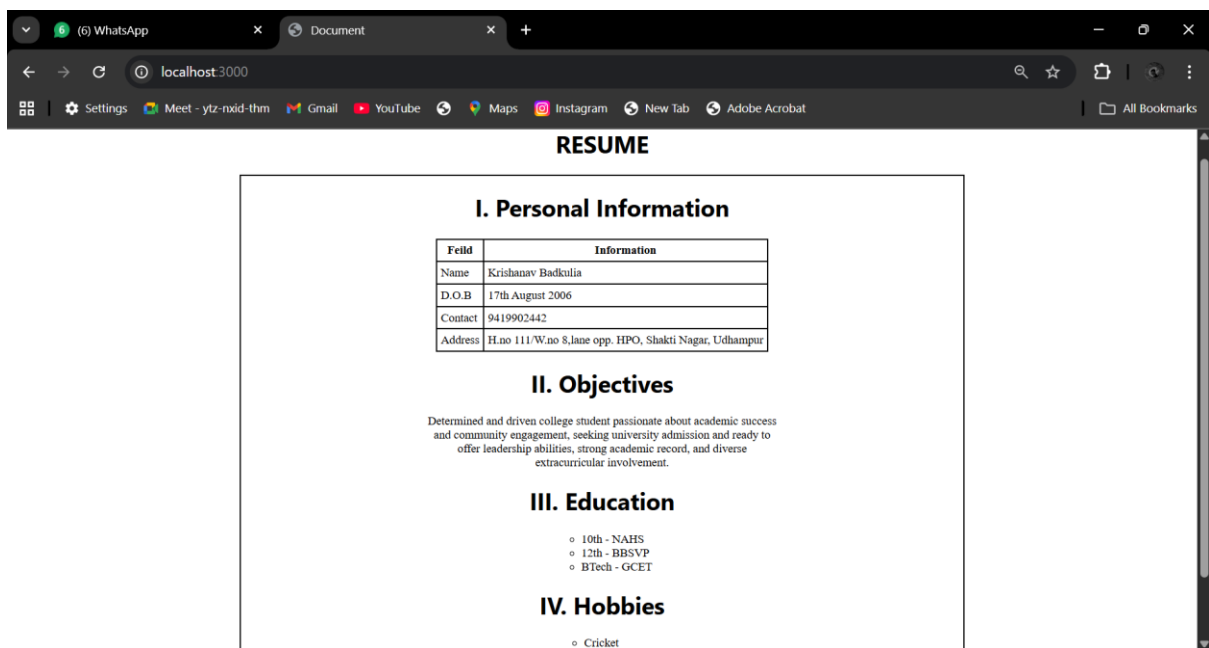
```

<!-- Skills -->
<div style="background-color:white; padding:15px; margin-top:10px;">
<h2 style="color:#2c3e50; border-bottom:2px solid #2c3e50;">Technical Skills</h2>
<ul>
<li>C, C++</li>
<li>HTML, CSS</li>
<li>JavaScript Basics</li>
<li>Python Basics</li>
</ul>
</div>
<!-- Hobbies -->
<div style="background-color:white; padding:15px; margin-top:10px;">
<h2 style="color:#2c3e50; border-bottom:2px solid #2c3e50;">Hobbies</h2>
<ul>
<li>Reading</li>
<li>Coding</li>
<li>Learning New Technologies</li>
</ul>
</div>
<!-- Declaration -->
<div style="background-color:white; padding:15px; margin-top:10px;">
<h2 style="color:#2c3e50; border-bottom:2px solid #2c3e50;">Declaration</h2>
<p>
I hereby declare that the above information is true and correct to the best of my knowledge.
</p>
<p style="text-align:right;"><b>Signature:</b> Noorjehan Baniya</p>
</div>

</body>
</html>

```

OUTPUT



PRACTICAL -6

Develop a JavaScript program to display today's date.

```
<!DOCTYPE html>
<html>
<head>
<title>Display Today's Date</title>
</head>

<body>

<h2>Today's Date</h2>

<p id="date"></p>
<script>
var today = new Date();
var day = today.getDate();
var month = today.getMonth() + 1; // Months start from 0
var year = today.getFullYear();
document.getElementById("date").innerHTML =
day + " / " + month + " / " + year;
</script>

</body>
</html>
```

OUTPUT

Today's Date

23 / 12 / 2025

PRACTICAL- 7

Develop simple calculator for Addition, Subtraction, Multiplication and Division operation using JavaScript.

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Simple Calculator</title>
```

```
<style>
body {
display: flex;
justify-content: center;
align-items: center;
height: 100vh;
background: linear-gradient(135deg, #1f1c2c, #928dab);
margin: 0;
}
```

```
.main {
display: grid;
width: 380px;
height: 520px;
border-radius: 25px;
grid-template-columns: repeat(4, 1fr);
grid-template-rows: auto repeat(5, 1fr);
background: #111827;
box-shadow: 0 30px 60px rgba(0, 0, 0, 0.6);
padding: 20px;
gap: 12px;
}
```

```
.display {
grid-column: 1 / 5;
border-radius: 18px;
background: #020617;
color: #22c55e;
padding: 25px;
font-size: 2.2rem;
text-align: right;
font-weight: bold;
box-shadow: inset 0 0 12px rgba(34, 197, 94, 0.4);
}
```

```
.element {
border-radius: 18px;
border: none;
background: #1e293b;
color: #e5e7eb;
font-size: 1.5rem;
font-weight: 600;
cursor: pointer;
transition: 0.2s ease;
```

```
box-shadow: 0 6px 12px rgba(0, 0, 0, 0.4);
}
.element:hover {
background: #334155;
transform: scale(1.05);
}
```

```
.element:active {
transform: scale(0.95);
}
```

```
.element:nth-child(2),
.element:nth-child(3) {
background: #7c2d12;
}
```

```
.element:nth-child(4) {
background: #2563eb;
}
```

```
.element:nth-child(2):hover,
.element:nth-child(3):hover {
background: #9a3412;
}
```

```
.element:nth-child(4):hover {
background: #1d4ed8;
}
</style>
</head>
<body>
```

```
<div class="main">
<div class="display" id="display">0</div>
<button class="element">AC</button>
<button class="element">CLR</button>
<button class="element">%</button>
<button class="element">=</button>
<button class="element">1</button>
<button class="element">2</button>
<button class="element">3</button>
<button class="element">.</button>
<button class="element">4</button>
<button class="element">5</button>
<button class="element">6</button>
<button class="element">/</button>
<button class="element">7</button>
<button class="element">8</button>
<button class="element">9</button>
<button class="element">-</button>
<button class="element">+</button>
<button class="element">0</button>
<button class="element">*</button>
<button class="element">00</button>
</div>
```

```
<script>
let display = document.getElementById("display");
let buttons = document.querySelectorAll(".element");
let expression = "";

buttons.forEach(button => {
  button.addEventListener("click", () => {
    let value = button.innerText;

    if (value === "AC") {
      expression = "";
      display.innerText = "0";
    }
    else if (value === "CLR") {
      expression = expression.slice(0, -1);
      display.innerText = expression || "0";
    }
    else if (value === "=") {try {
      expression = eval(expression).toString();
      display.innerText = expression;
    } catch {
      display.innerText = "Error";
      expression = "";
    }}else {
      expression += value;
      display.innerText = expression;
    }
  });
});</script></body></html>
```

OUTPUT



PRACTICAL -8

Write a JavaScript that calculates the squares and cubes of the numbers from 0 to 10 and outputs HTML text that displays the resulting values in an HTML table format.

```
<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Squaring and Cubing</title>
</head>

<style>
table,
tr,
td {
border: 2px solid black;
border-collapse: collapse;
padding: 5px;
text-align: center;
}
</style>

<body>

<table id="myTable">
<tr>
<td>Number</td>
<td>Square</td>
<td>Cube</td>
</tr>
</table>

<script>
let table = document.getElementById("myTable");
let i = 0;

let interval = setInterval(function () {

if (i > 10) {
clearInterval(interval);
return;
}

let row = document.createElement('tr');

let td1 = document.createElement('td');
td1.innerText = i;
```

```
let td2 = document.createElement('td');
td2.innerText = i * i;

let td3 = document.createElement('td');
td3.innerText = i * i * i;

row.appendChild(td1);
row.appendChild(td2);
row.appendChild(td3);

table.appendChild(row);

i++;

}, 1000);

</script>

</body>

</html>
```

OUTPUT

Number	Square	Cube
0	0	0
1	1	1
2	4	8
3	9	27
4	16	64
5	25	125
6	36	216
7	49	343
8	64	512
9	81	729
10	100	1000

PRACTICAL -9

Write a JavaScript code that displays text "TEXT-GROWING" with increasing font size in the interval of 100ms in RED COLOR, when the font size reaches 50pt it displays "TEXT SHRINKING "in BLUE colour. Then the font size decreases to 5pt.

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Document</title>
</head>
</style>
<body>
<div >HELLO</div>
<script>
let ele = document.body.children[0];
let mySize = 20;
let growing = true;
console.log(ele)
function growShrink() {
if (growing) {
mySize = mySize + 2;
ele.innerText = "Growing";
ele.style.fontSize = mySize + "px";
ele.style.color = "red";
if (mySize > 200) {
growing = false;
}}
else {
mySize = mySize - 2;
ele.innerText = "Shrinking";
ele.style.fontSize = mySize + "px";
ele.style.color = "blue"
if (mySize < 20) {
growing = true;}}}}
setInterval(growShrink, 100);
</script></body></html>
```

OUTPUT

Growing

Shrinking

PRACTICAL -10

Write a PHP program to keep track of the number of visitors visiting the webpage and to display this count of visitors, with proper headings.

```
?php
$File = 'visitor_count.txt';

if (!file_exists($File)) {
    file_put_contents($File, '0');
}
$visitorCount = (int)file_get_contents($File);
$visitorCount++;
?>

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Visitor Count</title>
</head> <body>
<h1>Welcome to Our Website!</h1>
<p>We are glad to have you here.</p>
<h2>Visitor Count:</h2>
<p>Total number of visitors: <?php echo $visitorCount; ?></p> </body>
<?php
    echo "<h2>Today's Date: " . date("d-m-Y") . "</h2>";
?>
```

OUTPUT

Welcome to My Website

Total Visitors: 1

PRACTICAL -11

Write a PHP program to display today's date in DD-MM-YYYY format.

```
<?php  
echo "<h2>Today's Date: " . date("d-m-Y") . "</h2>";?>
```

OUTPUT

Today's Date: 23-12-2025

PRACTICAL -12

Write a php program to check if a number is prime or not.

```
<!DOCTYPE html>
<html>
<head>
<title>Prime Number Checker</title>
</head>
<body>

<h1>Checking Prime Number</h1>

<?php
$num = 17;

if ($num <= 1) {
echo "<h2>$num is Not a Prime Number</h2>";
} else {
for ($i = 2; $i <= $num / 2; $i++) {
if ($num % $i == 0) {
echo "<h2>$num is Not a Prime Number</h2>";
return;
}
}
echo "<h2>$num is a Prime Number</h2>";
}
?>
</body>
</html>
```

OUTPUT

Checking Prime Number

17 is a Prime Number

PRACTICAL -13

**Create HTML page that contain textbox, submit/reset button.
Write PHP program to display this information and also store
into text file.**

```
<!DOCTYPE html>

<html>
<head>
<title>Form</title>
</head>
<body>

<h1>PHP Form</h1>

<form method="post">
Enter Name:
<input type="text" name="name">
<br><br>
<input type="submit" name="submit" value="Submit">
<input type="reset" value="Reset">
</form>
<?php
if (isset($_POST['submit'])) {
$name = $_POST['name'];
echo "<h2>You Entered: $name</h2>";
$file = fopen("data.txt", "a");
fwrite($file, $name . "\n");
fclose($file);
}
?></body></html>
```

OUTPUT

PHP Form

Enter Name:

