**1.Swap two numbers**

**Html:**

<html>

<body>

<form method="post" action="lab1.php">

<input type="number" name="n1" placeholder="enter first number">

<input type="number" name="n2"placeholder="enter second number">

<input type="submit">

</form>

</body>

</html>

**Php:**

<?php

$n1=$\_POST["n1"];

$n2=$\_POST["n2"];

$temp=0;

$temp=$n1;

$n1=$n2;

$n2=$temp;

echo "n1:$n1<br>";

echo "n2:$n2<br>";

?>

**2.Factorial of a number**

**Html:**

<html>

<body>

<form method="post" action="lab2.php">

<input type="number" name="n1" placeholder="enter first number">

<input type="submit">

</form>

</body>

</html>

**Php:**

<?php

$n1=$\_POST["n1"];

$fact=1;

for($i=$n1;$i>=1;$i--)

{

$fact=$fact\*$i;

}

echo "Factorial of $n1:$fact";

?>

**3.Reverse a given number and calculate its sum**

**Html:**

<html>

<body>

<form method="post" action="lab3.php">

<input type="number" name="n1" placeholder="enter First number">

<input type="submit">

</form>

</body>

</html>

**Php:**

<?php

$num=$\_POST["n1"];

$rev=0;

$sum=0;

while($num>1)

{

$rem=$num%10;

$sum=$sum+$rem;

$rev=($rev\*10)+$rem;

$num=$num/10;

}

echo "reverse=$rev<br>sum=$sum";

?>

**4.Fibonacci Series**

**Html:**

<html>

<body>

<form method="post" action="lab4.php">

<input type="number" name="n1" placeholder="enter first number">

<input type="submit">

</form>

</body>

</html>

**Php:**

<?php

function fib($n){

if($n<2){

return $n;

}

return fib($n-1)+fib($n-2);

}

$n=$\_POST["n1"];

echo "Fibonacci Series:<br>";

for($i=0;$i<$n;$i++){

echo fib($i)."<br>";

}

?>

**5.Constructor and Destructor**

<?php

class car{

private $model;

//constructor

public function \_\_construct($model){

$this->model=$model;

echo "A new $this->model car is created.<br>";

}

//method to drive the car

public function drive(){

echo "The $this->model is driving.<br>";

}

//Destructor

public function \_\_destruct(){

echo "The $this->model car is being destroyed.<br>";

}

}

//create a new car object

$myCar=new Car("Toyata");

//use the car

$myCar->drive();

?>

**6.Form Handling Using get method**

**Html:**

<html>

<body>

<h3>Form Handling using form</h3>

<form method="get" action="lab6.php">

<input type="text" name="name" placeholder="Enter name"><br>

<input type="email" name="email" placeholder="Enter email"><br>

<input type="submit">

</form>

</body>

</html>

**Php:**

<?php

$name=$\_GET["name"];

$email=$\_GET["email"];

echo "<h4>Form Submitted</h4><br>";

echo "Name:$name<br>";

echo "Email:$email<br>";

?>

**7.Form Handling Using Post Method**

**Html:**

<!DOCTYPE HTML>

<head>

<title>user Login Using Post method</title>

</head>

<body>

<h1>user Login</h1>

<form method="post" action="lab7.php">

<input type="text" name="username" placeholder="Enter username" required><br><br>

<input type="text" name="password" placeholder="Enter password" required><br><br>

<input type="submit" value="Login">

</form>

</body>

</html>

**Php:**

<?php

$actual\_usn="Vinay";

$actual\_pw="Vinay123";

$usn=$\_POST['username'];

$pw=$\_POST['password'];

if(isset($usn)&&isset($pw))

{

if(strcmp($usn,$actual\_usn)===0 && strcmp($pw,$actual\_pw)==0){

echo "Login Successful<br> welcome,$usn!";

}

else{

echo "Invalid username or password please try again";

}

}

else{

echo "Login unsuccessful";

}

?>

**8.Prime or Not**

**Html:**

<html>

<body>

<form method="post" action="lab8.php">

<input type="number" name="n1" placeholder="Enter the number"><br>

<input type="submit">

</form>

</body>

</html>

**Php:**

<?php

$n=$\_POST["n1"];

$flag=0;

for($i=2;$i<=$n/2;$i++)

{

if($n%$i==0)

{

$flag=1;

echo "$n is not a prime";

break;

}

}

if($flag==0)

{

echo "$n is a prime number";

}

?>

**9.String as a form input**

**Html**

<!DOCTYPE html>

<html>

<head>

<title>String Input Form</title>

</head>

<body>

<h2>Enter a String</h2>

<form action="lab99.php" method="POST">

<input type="text" name="name">

<input type="submit" name="submit" value="Submit">

</form>

</body>

</html>

**Php**

<?php

if (isset($\_POST["submit"])) {

if (!empty($\_POST['name'])) {

$name = $\_POST['name'];

echo "<h2>You entered:</h2>";

echo "<p>$name</p>";

} else {

echo "<h2>Please enter a string</h2>";

}

}

?>

**10.Addition of two matrices**

**Html:**

<html>

<body>

<form method="post" action="lab10.php">

<h2>Mat1:</h2><br>

<table id="mat1">

<tr>

<td><input type="number" name="mat1[0][0]"></td>

<td><input type="number" name="mat1[0][1]"></td>

</tr>

<tr>

<td><input type="number" name="mat1[1][0]"></td>

<td><input type="number" name="mat1[1][1]"></td>

</tr>

</table>

<h2>Mat2:</h2>

<table id="mat2">

<tr>

<td><input type="number" name="mat2[0][0]"></td>

<td><input type="number" name="mat2[0][1]"></td>

</tr>

<tr>

<td><input type="number" name="mat2[1][0]"></td>

<td><input type="number" name="mat2[1][1]"></td>

</tr>

</table>

<input type="submit">

</form>

</body>

</html>

**Php:**

<?php

$mat1 = $\_POST["mat1"];

$mat2 = $\_POST["mat2"];

$result = array();

echo "<h2>Matrix addition result:</h2>";

echo "<table border='1'>";

for($i = 0; $i < 2; $i++){

echo "<tr>";

for($j = 0; $j < 2; $j++){

$result[$i][$j] = $mat1[$i][$j] + $mat2[$i][$j];

echo "<td>" . $result[$i][$j] . "</td>";

}

echo "</tr>";

}

echo "</table>";

?>

**11.Date and Time**

<?php

//get and display the current date and time

echo "current date and time:".date("Y-m-d H:i:s")."\n"."<br>";

//Display the current day of the week

echo "current day:".date("l")."\n"."<br>";

//Display the current month

echo "current month:".date("F")."\n"."<br>";

//display the current year

echo "current year:".date("Y")."\n"."<br>";

//create a timestamp for a specific date

$specificDate=mktime(0,0,0,12,31,2025);

//Display the formatted specific date

echo "specific date:".date("Y-m-d",$specificDate)."\n";

?>

**12.Upload a file:**

<html>

<body>

<h2>upload a file</h2>

<form method="POST" enctype="multipart/form-data">

<input type="file" name="filetoupload">

<input type="submit" value="upload File" name="submit">

</form>

<?php

if(isset($\_POST["submit"]))

{

$target\_dir="uploads/";

$target\_file=$target\_dir.basename($\_FILES["filetoupload"]["name"]);

if(move\_uploaded\_file($\_FILES["filetoupload"]["tmp\_name"],$target\_file))

{

echo "The file".(basename($\_FILES["filetoupload"]["name"]))."has been uploaded";

}

else

{

echo"sorry,there was an error uploading file";

}

}

?>

</body>

</html>

**13.Database creation**

<html>

<body>

<h1>Create Database</h1><br>

<form method="post">

<input type="text" name="dbname"><br><br>

<input type="submit" value="Create">

</form>

<?php

if($\_SERVER["REQUEST\_METHOD"] == "POST") {

$server = "localhost";

$username = "root";

$password = "";

$dbname = $\_POST['dbname'];

$conn = new mysqli($server, $username, $password);

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

$sql = "CREATE DATABASE IF NOT EXISTS $dbname";

if ($conn->query($sql) === TRUE) {

echo "Database '$dbname' created successfully.";

} else {

echo "Error creating database: " . $conn->error;

}

$conn->close();

}

?>

</body>

</html>

**14.Admission form using MYSQL database**

**Index.html**

<form action="submit.php" method="post">

Name: <input type="text" name="name"><br><br>

Email: <input type="email" name="email"><br><br>

Phone: <input type="text" name="phone"><br><br>

Gender:

<input type="radio" name="gender" value="Male"> Male

<input type="radio" name="gender" value="Female"> Female

<input type="radio" name="gender" value="Other"> Other

<br>

<input type="submit" value="Apply">

</form>

Submit.php

<?php

$conn = new mysqli("localhost","root","","college");

if($conn->connect\_error) {die("Connection failed: " . $conn->connect\_error);}

$name = mysqli\_real\_escape\_string($conn, $\_POST['name']);

$email = mysqli\_real\_escape\_string($conn, $\_POST['email']);

$phone = mysqli\_real\_escape\_string($conn, $\_POST['phone']);

$gender= mysqli\_real\_escape\_string($conn, $\_POST['gender']);

$sql = "INSERT INTO students (name, email, phone,gender) VALUES ('$name', '$email', '$phone','$gender')";

echo $conn->query($sql) ? "Application submitted!" : "Error: " . $conn->error;$conn->close();

?>