**Problem: Develop a PHP script to calculate sum of Digits inputted by the user.**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0"> <title>Learning PHP</title>

</head>

<body>

<center>

<form action="Q1.php" method="post">

<table>

<tr>

<td>Enter a number : </td>

<td><input type="number" name="num" id="num"></td>

</tr>

<tr>

<td>

<button type="submit">SUBMIT</button> </td>

</tr>

</table>

</form>

</center>

</body>

<?php if(count($\_POST) > 0){

$x = $\_REQUEST["num"];

$sum = 0; while($x != 0){

$sum = $sum + $x%10;

$x = $x/10;

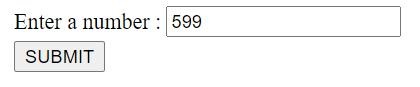
}

echo "Sum of digits : ".$sum;

}

?>

</html>



**Problem : Develop a PHP script to check if number inputted by the user is palindrome or not.**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0"> <title>Learning PHP</title>

</head>

<body>

<center>

<form action="Q2.php" method="post">

<table>

<tr>

<td>Enter a number : </td>

<td><input type="number" name="num" id="num"></td>

</tr>

<tr>

<td>

<button type="submit">SUBMIT</button> </td>

</tr>

</table>

</form>

</center>

</body>

<?php if(count($\_POST)>0){

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

$temp = $x; $y = 0; while($x > 0){

$rem = $x%10;

$y = $y\*10+$rem;

$x = floor($x/10);

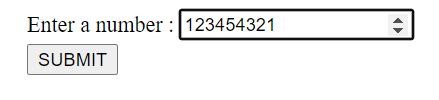
} if($temp == $y) { echo $temp." is a palindrome number.";

} else{ echo $temp." is NOT a palindrome number."; }

}

?>

</html>



**Problem : Develop a PHP script to show current date and time.**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0"> <title>Learning PHP</title>

</head>

<body>

<center>

<form action="Q3.php" method="post">

<table>

<tr>

<td>

<button type="submit">CLICK to get date</button> </td>

</tr>

</table>

</form>

</center>

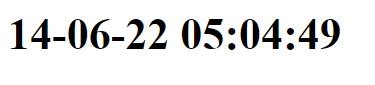
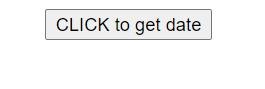
</body>

<?php date\_default\_timezone\_set('Asia/Kolkata');

$x = date('d-m-y h:i:s'); echo "<h1>".$x."</h1>";

?>

</html>



**Form Validation Using PHP**

Problem : Perform form validation using PHP.

<!DOCTYPE HTML>

<html>

<head>

<style> div{ color: red;

}

</style>

</head>

<body>

<h2>PHP Form Validation Example</h2>

<form method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]); ?>">

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

<div id="name\_err"></div>

<br><br>

E-mail: <input type="text" name="email">

<div id="email\_err"></div>

<br><br>

Website: <input type="text" name="website">

<br><br>

Comment: <textarea name="comment" rows="5" cols="40"></textarea> <br><br> Gender:

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

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

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

<br><br>

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

</form>

<?php

$name = $email = $gender = $comment = $website = ""; if (count($\_POST) > 0) {

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

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

$name\_reg = "/^[a-zA-z]+[]?[a-zA-z]+$/";

$email\_reg = "/^[a-zA-Z0-9]+[\_]\*[a-zA-Z0-9]+@gmail.com/"; if (!preg\_match($name\_reg, $name)) { echo "<script>document.getElementById(\"name\_err\").innerHTML = \"Wrong name

format\";</script>";

}

if (!preg\_match($email\_reg, $email)) { echo "<script>document.getElementById(\"email\_err\").innerHTML = \"Wrong email

format\";</script>";

} else {

echo "<h2>Validation Successful</h2>"; }

}

?>

</body>

</html>

Graphical user interface, application

Description automatically generated

**Experiment 10**

Problem : Write a PHP program to store page views count in SESSION, to increment the count on each refresh, and to show the count on web page.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

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

<title>Experiment 9</title>

<style> div{ color: red;

}

</style>

</head>

<body>

<form action="\Lab\new\Exp9.php" method="post">

<h2>Click the button to get session count : </h2>

<button type="submit">Click Here</button>

</form>

<div id="count"></div>

<?php session\_start();

if(isset($\_SESSION['count'])) { echo "<br><script> document.getElementById(\"count\").innerHTML =

".$\_SESSION['count']."</script>";

$\_SESSION['count']++;

}

else {

$\_SESSION['count']=1;

echo "<br><script> document.getElementById(\"count\").innerHTML = ".$\_SESSION['count']."</script>";

}

?>

</body>

</html>

A picture containing text

Description automatically generated

Graphical user interface, application

Description automatically generated

**Experiment 11**

Problem : Create an HTML form and the write a PHP code for inserting the employee information in database. Information includes employee name, address, phone number, email id, salary etc. All the possible validations should be there.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0"> <title>Create Account</title>

<!-- Style Section -->

<style> body{ font-family: Verdana, Geneva, Tahoma, sans-serif; max-width: 100%;

}

#bg{ width: 100%; position: absolute; z-index: -1; opacity: 0.4;

} legend{ font-size: 200%;

} table { font-size: 130%;

}

td {

max-width: 100%;

} fieldset { border: 2px solid transparent; border-color: black; box-sizing: border-box; background-color: aliceblue; padding: 20px; border-radius: 10px; width: fit-content; text-align: left;

}

input[type="text"] { border: 0; color: blue; border-bottom: 2px solid black; outline: 0; max-width: 150%; font-size: large; padding-left: 20px;

background-color: transparent;

}

input[type="password"] { border: 0; color: blue; border-bottom: 2px solid black; outline: 0; max-width: 150%; font-size: large; padding-left: 20px;

background-color: transparent;

} button{ margin-top: 50px; font-size: x-large; padding: 5px 20px 5px 20px; border-radius: 50px; cursor: pointer;

} button:hover{ background-color: cadetblue; color: aliceblue; font-weight: bold;

}

</style>

</head>

<body>

<center>

<fieldset>

<legend><h1>Create Account</h1></legend>

<form id="f" action="/Lab/new/Exp10.php" method="post">

<table cellpadding="15">

<tr>

<td>Enter Name : </td>

<td><input type="text" id="name" name="name" required></td>

<td>

<div id="name\_error"></div>

</td>

</tr>

<tr>

<td>Enter Address : </td>

<td><input type="text" id="address" name="address" required></td>

</tr>

<tr>

<td>Enter Mobile Number: </td>

<td><input type="text" id="mnum" name="mnum" maxlength="10"

required></td>

<td>

<div id="mnum\_error"></div>

</td>

</tr>

<tr>

<td>Enter Email ID : </td>

<td><input type="text" id="email" name="email" required></td>

<td>

<div id="email\_error"></div>

</td>

</tr>

<tr>

<td>Enter Salary : </td>

<td><input type="text" id="salary" name="salary" required></td>

<td>

<div id="salary\_error"></div>

</td>

</tr>

</table>

<br>

<br>

<center><button type="submit">SUBMIT</button></center>

</form>

</fieldset>

</center>

</body>

</html>

<?php if(count($\_POST) > 0){

$server = "localhost";

$username = "root";

$pass = "";

$db = "employee";

$con = mysqli\_connect($server,$username,$pass,$db); if(!$con){ die("Connection to the database failed due to : ".mysqli\_connect\_error());

}

$query = "INSERT INTO employee (Name, Address, Phone, Email, Salary)

VALUES('".$\_POST["name"]."','".$\_POST["address"]."','".$\_POST["mnum"]."','".$\_POST["email"]."',

'".$\_POST["salary"]."')"; if($result = mysqli\_query($con, $query)){ echo "<h2 style=\"color: red;\">Insertion Successful</h2>";

} else{ echo "<h2 style=\"color: red;\">Insertion Failed</h2>";

}

mysqli\_close($con); die;

}

?>

Diagram

Description automatically generated

**Experiment 12**

Problem : Create an HTML form and write a PHP code for fetching the employee information from the MySQL database whose salary is less than 10,000pm.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

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

<title>Document</title>

<style> table{ border: 2px solid black;

}

td { border: 2px solid black; padding: 5px;

}

</style>

</head>

<body>

<?php

$server = "localhost";

$username = "root";

$pass = "";

$db = "employee";

$con = mysqli\_connect($server,$username,$pass,$db); if(!$con){ die("Connection to the database failed due to : ".mysqli\_connect\_error());

}

$query = "SELECT \* FROM employee WHERE Salary < 10000";

$result = mysqli\_query($con, $query); if(mysqli\_num\_rows($result)>0){ echo "<table>

<tr><th>Name</th><th>Address</th><th>Phone

No</th><th>Email</th><th>Salary</th>"; while($row = mysqli\_fetch\_assoc($result)){ echo

"<tr><td>".$row["Name"]."</td><td>".$row["Address"]."</td><td>".$row["Phone"]."</td><td>".$row[ "Email"]."</td><td>".$row["Salary"]."</td>";

}

}

mysqli\_close($con); die;

?>

</body>

</html>

Table

Description automatically generated

**Experiment 13**

Problem : With the help of PHP code insert some text in text file. After inserting the text read the text from the same text file and shows it on web page.

<?php

$myfile = fopen("test.txt", "r") or die("Unable to open file!"); echo "Initial Text in File: "; while(!feof($myfile)) {

echo fgets($myfile);

}

fclose($myfile);

$myfile = fopen("test.txt", "a") or die("Unable to open file!"); echo "<br><br>Text to be inserted : My name is Ritika<br><br>";

$k = "Hii"; fwrite($myfile,$k); fclose($myfile);

$myfile = fopen("test.txt", "r") or die("Unable to open file!");

echo "Updated Text in File : "; while(!feof($myfile)) {

echo fgets($myfile) . "<br>";

} ?>

Text

Description automatically generated