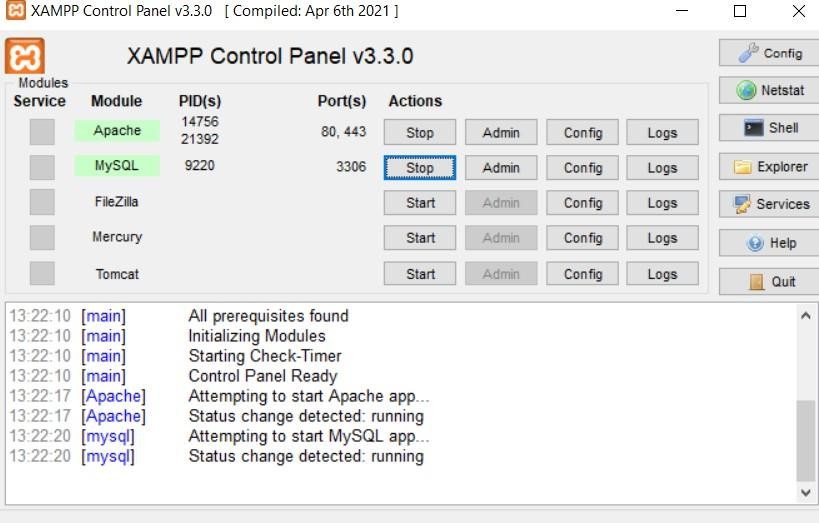
## PHP

**Exp 15: PHP**

1. Install and configure PHP, web server, MYSQL (XAMPP)

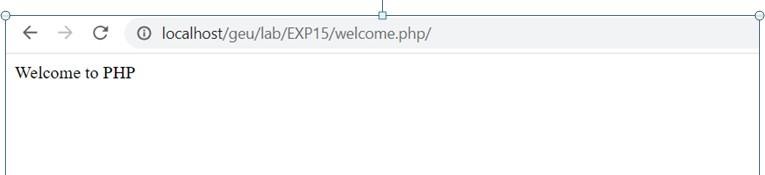


1. Write a program to print “Welcome to PHP”

<?php

echo "Welcome to PHP"

?>



c. Create a php program to find odd or even number from given number.

<!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">

<titles>Document</title>

</head>

<body>

<form method="post">

<h1>Enter a number</h1>

<input type="number" name="num">

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

</form>

<?php if(isset($\_POST['sub mit'])){

$num=$\_POST[' num'];if($num

% 2 == 0){

echo $num ," is Even Number";

}

else{

echo $num , " is Odd Number";

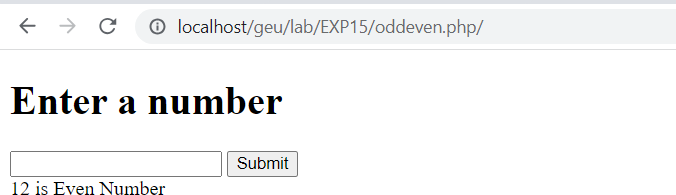
}

}

?>

</body>

</html>



d. Write a php program to find a maximum of three numbers.

<!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>

</head>

<body>

<form action="" method="post">

<h1>Enter first number</h1>

<input type="number" placeholder="Enter first number" name="num1">

<br>

<h1>Enter second number</h1>

<input type="number" placeholder="Enter second number" name="num2">

<br>

<h1>Enter first number</h1>

<input type="number" placeholder="Enter third number" name="num3">

<br><br>

<input type="submit" value="Find Maximum" name="submit" >

</form>

<?php

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

$num1 = $\_POST['num1'];

$num2 = $\_POST['num2'];

$num3 = $\_POST['num3'];

$max;

if($num1 > $num2){

$max = $num1;} else{

$max = $num2;} if($max < $num3){

$max = $num3;}

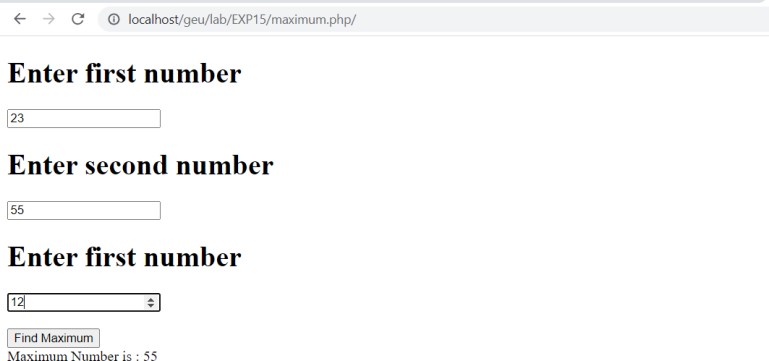
echo "Maximum Number is : ",$max;

}

?>

</body>

</html>



## Output:

**Exp 16: Basic PHP**

**Aim:** Write a program to enter TWO numbers and print the Swap Numbers using PHP Example. OUTPUT of the above given Example is as follows:

Numbers before swapping: Num1=10 Num2=20 Numbers after swapping: Num1=20 Num2=10

<!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>Swap numbers</title>

</head>

<body>

<form method="post">

<h1>Enter first number</h1>

<input type="number" placeholder="Enter first number" name="num1">

<br><br>

<h1>Enter second number</h1>

<input type="number" placeholder="Enter second number" name="num2">

<br><br>

<input type="submit" value="Swap number" name="submit">

<br><br>

</form>

<?php

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

$num1 = $\_POST['num1'];

$num2 = $\_POST['num2'];

echo "----------Before Swapping --- <br>";

echo "Num1 : " , $num1 , " Num2 : ",$num2, "<br>";

$temp = $num1;

$num1=$num2;

$num2=$temp;

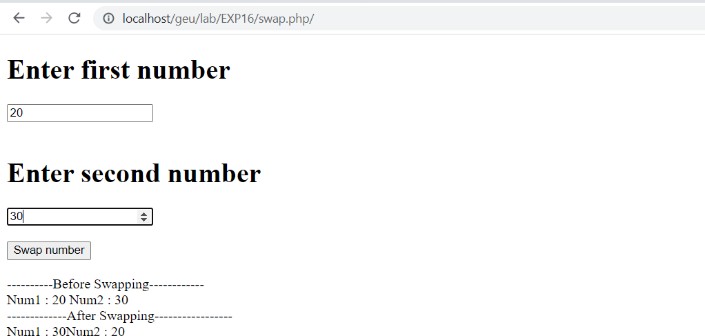
echo "-------------After Swapping <br>";

echo "Num1 : ",$num1 , "Num2 : ",$num2;

}

?>

</body>

</html> Output:

## Exp 17: XML and AJAX

**Aim**: Create a database of CD collection using XML and then fetch the content and display in the form of table using ajax.

<!DOCTYPE html>

<html>

<style> table,th,td {

border : 1px solid black; border-collapse: collapse;

}

th,td { padding: 5px;

}

</style>

<body>

<h1>The XMLHttpRequest Object</h1>

<button type="button" onclick="loadDoc()">Get my CD collection</button>

<br><br>

<table id="demo"></table>

<script>

function loadDoc() {

var xhttp = new XMLHttpRequest(); xhttp.onreadystatechange = function() {

if (this.readyState == 4 && this.status == 200) { myFunction(this);

}

};

xhttp.open("GET", "cd\_catalog.xml", true); xhttp.send();

}

function myFunction(xml) {

var i;

var xmlDoc = xml.responseXML;

var table="<tr><th>Artist</th><th>Title</th></tr>"; var x = xmlDoc.getElementsByTagName("CD");

for (i = 0; i <x.length; i++) { table += "<tr><td>" +

x[i].getElementsByTagName("ARTIST")[0].childNodes[0].nodeValue + "</td><td>" + x[i].getElementsByTagName("TITLE")[0].childNodes[0].nodeValue + "</td></tr>";

}

document.getElementById("demo").innerHTML = table;

}

</script>

</body>

</html>

**XML**

<CATALOG>

<CD>

<TITLE>Empire Burlesque</TITLE>

<ARTIST>Bob Dylan</ARTIST>

<COUNTRY>USA</COUNTRY>

<COMPANY>Columbia</COMPANY>

<PRICE>10.90</PRICE>

<YEAR>1985</YEAR>

</CD>

<CD>

<TITLE>Hide your heart</TITLE>

<ARTIST>Bonnie Tyler</ARTIST>

<COUNTRY>UK</COUNTRY>

<COMPANY>CBS Records</COMPANY>

<PRICE>9.90</PRICE>

<YEAR>1988</YEAR>

</CD>

<CD>

<TITLE>Greatest Hits</TITLE>

<ARTIST>Dolly Parton</ARTIST>

<COUNTRY>USA</COUNTRY>

<COMPANY>RCA</COMPANY>

<PRICE>9.90</PRICE>

<YEAR>1982</YEAR>

</CD>

<CD>

<TITLE>Still got the blues</TITLE>

<ARTIST>Gary Moore</ARTIST>

<COUNTRY>UK</COUNTRY>

<COMPANY>Virgin records</COMPANY>

<PRICE>10.20</PRICE>

<YEAR>1990</YEAR>

</CD>

<CD>

<TITLE>Eros</TITLE>

<ARTIST>Eros Ramazzotti</ARTIST>

<COUNTRY>EU</COUNTRY>

<COMPANY>BMG</COMPANY>

<PRICE>9.90</PRICE>

<YEAR>1997</YEAR>

</CD>

<CD>

<TITLE>One night only</TITLE>

<ARTIST>Bee Gees</ARTIST>

<COUNTRY>UK</COUNTRY>

<COMPANY>Polydor</COMPANY>

<PRICE>10.90</PRICE>

<YEAR>1998</YEAR>

</CD>

<CD>

<TITLE>Sylvias Mother</TITLE>

<ARTIST>Dr.Hook</ARTIST>

<COUNTRY>UK</COUNTRY>

<COMPANY>CBS</COMPANY>

<PRICE>8.10</PRICE>

<YEAR>1973</YEAR>

</CD>

</CATALOG>

# Output:



## Exp 18: PHP Functions

1. Write a PHP Program to demonstrate the variable function: gettype() and settype()
2. Write a PHP Program to demonstrate the variable unction: isset()
3. Write a PHP Program to demonstrate the variable unction: unset()

<?php

$num = 10;

<?php

$num = 10;

$type = gettype($num);

echo "Type of \$num: $type<br>";

settype($num, 'string');

$type = gettype($num);

echo "Type of \$num after settype(): $type<br>";

if (isset($num)) {

echo "\$num is set and not null<br>";

} else {

echo "\$num is not set or null<br>";

}

unset($num);

if (isset($num)) {

echo "\$num is set and not null<br>";

} else {

echo "\$num is not set or null<br>";

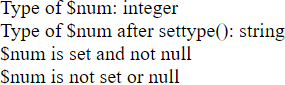
}

?>

$type = **gettype**($num);

**echo** "Type of \$num: $type<br>";

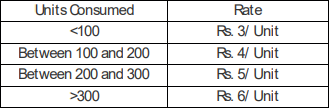
# Output:



## Exp 19: Form Handling

Electricity Bill Using PHP (To Understand Form Handling in PHP) **Aim:** Prepare Electricity bill from user input based on a given tariff. **Problem Statement**

Write a PHP program to input previous reading and present reading and prepare an electricity bill using the following conditions .



## PHP Form Handling

The PHP superglobals $\_GET and $\_POST are used to collect form-data.

<?php

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

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

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

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

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

$UnitsConsumed = $presReading - $prevReading;

$rate;

if($UnitsConsumed < 100){

$rate = 3;

}

else if($UnitsConsumed > 100 && $UnitsConsumed < 200){

$rate=4;

}

else if($UnitsConsumed > 200 && $UnitsConsumed < 300){

$rate = 5;

}

else{

$rate = 6;

}

$amount = $UnitsConsumed \* $rate;

}

?>

<!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>Electricity Bill </title>

</head>

<body>

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

<div style="height: 50px; width:100%;display:flex; align-items:center;justify-content:center; background-color :orangered; padding: 5px; ">

<h1 style="color:aliceblue; ">Electricity Bill </h1>

</div>

<div style="background-color: yellow;height: 30px; width:100%; display:flex;justify- content:center;align-items:center; gap:60px;">

<label for="consumerNumber">Enter the consumer number</label>

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

</div>

<div style="background-color: white;height: 30px; width:100%; display:flex;justify- content:center;align-items:center; gap:80px;">

<label for="consumerName">Enter the consumer name</label>

<input type="text" name="consumerName" style="background-color: whitesmoke;" required>

</div>

<div style="background-color: yellow;height: 30px; width:100%; display:flex;justify- content:center;align-items:center; gap:70px;">

<label for="prevReading">Enter the previous reading</label>

<input type="Number" name="prevReading" required>

</div>

<div style="background-color: white;height: 30px; width:100%; display:flex;justify- content:center;align-items:center; gap:80px;">

<label for="presReading">Enter the present reading</label>

<input type="Number" name="presReading" style="background-color: whitesmoke;" required>

</div>

<div style="height: 50px; width:100%;display:flex; align-items:center;justify-content:center; background-color :orangered; padding: 5px; ">

<input type="submit" style="height: 30px; width:80px" name="submit"> </input>

</div>

</form>

<?php if ($\_SERVER["REQUEST\_METHOD"] == "POST") : ?>

<div style="height: 50px; width:100%;display:flex; align-items:center;justify-content:center; background-color :orangered; padding: 5px; ">

<h1 style="color:aliceblue; ">Electricity Bill </h1>

</div>

<div style="background-color: yellow;height: 30px; width:100%; display:flex;justify- content:center;align-items:center; gap:60px;">

<strong> Consumer Number</strong>

<p><?php echo $consumerNumber ?></p>

</div>

<div style="background-color: white;height: 30px; width:100%; display:flex;justify- content:center;align-items:center; gap:80px;">

<strong>Consumer Name</strong>

<p><?php echo $consumerName ?></p>

</div>

<div style="background-color: yellow;height: 30px; width:100%; display:flex;justify- content:center;align-items:center; gap:70px;">

<strong > Previous Reading</strong>

<p><?php echo $prevReading ?></p>

</div>

<div style="background-color: white;height: 30px; width:100%; display:flex;justify- content:center;align-items:center; gap:80px;">

<strong > Present Reading</strong>

<p><?php echo $presReading ?></p>

</div>

<div style="background-color: yellow;height: 30px; width:100%; display:flex;justify- content:center;align-items:center; gap:80px;">

<strong > Unit Consume</strong>

<p><?php echo $UnitsConsumed ?></p>

</div>

<div style="background-color: white;height: 30px; width:100%; display:flex;justify- content:center;align-items:center; gap:80px;">

<strong > Amount</strong>

<p><?php echo $amount ?></p>

</div>

<div style="background-color: yellow;height: 30px; width:100%; display:flex;justify- content:center;align-items:center; gap:80px;">

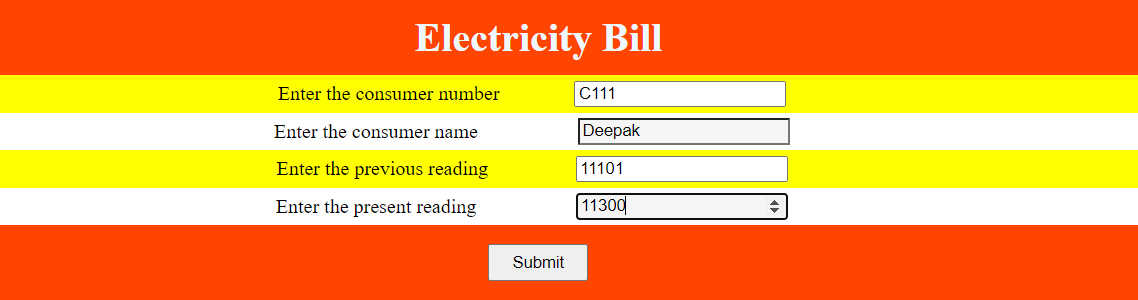
</div>

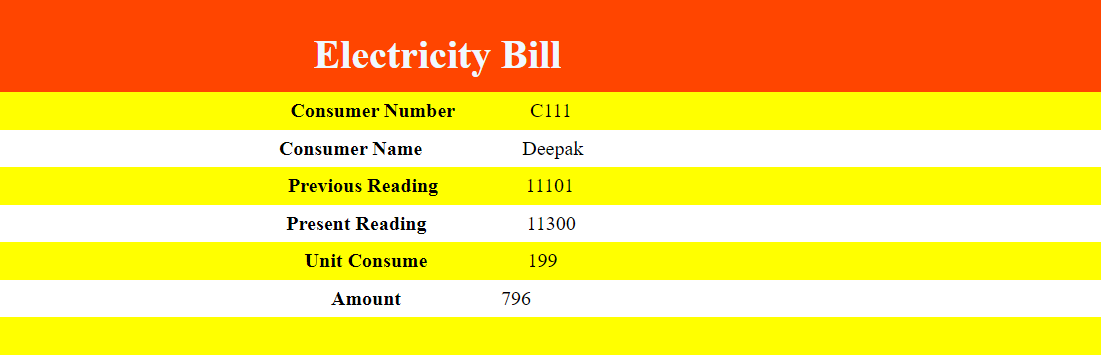
<?php endif; ?>

</body>

</html>

OUTPUT





## Exp 20: Session Handling Using PHP

**Aim:** Write PHP program to implement a cookie and session based counter.

* Create Cookies variable using PHP
* Create a session variable using PHP
* Display the session variable using PHP
* Display the cookies variable using PHP

<?php

**session\_start**();

if (!**isset**($\_SESSION['counter'])) {

$\_SESSION['counter'] = 1;

} else {

$\_SESSION['counter']++;

}

if (!**isset**($\_COOKIE['counter'])) {

**setcookie**('counter', 1, **time**() + 3600);

} else {

$\_COOKIE['counter']++;

**setcookie**('counter', $\_COOKIE['counter'], **time**() + 3600);

}

?>

<!DOCTYPE *html*>

<html>

<head>

<title>Counter</title>

<style> body {

font-family: Arial, sans-serif; text-align: center;

margin-top: 50px;

}

h1 {

font-size: 24px; margin-bottom: 10px;

}

p {

font-size: 18px;

}

</style>

</head>

<body>

<h1>Cookie and Session-based Counter</h1>

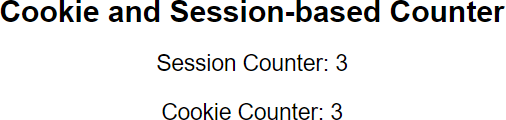
<p>Session Counter: <?php **echo** $\_SESSION['counter']; ?></p>

<p>Cookie Counter: <?php **echo** $\_COOKIE['counter']; ?></p>

</body>

</html>

OUTPUT



## Exp 21: File Handing

**Name of Experiment :** File Uploading Using PHP (To Understand File Uploading in PHP)

**Aim:** To upload the user input file and using constraints file type, file size.

<!DOCTYPE html>

<html>

<body>

<form action="upload.php" method="post" enctype="multipart/form-data"> Select image to upload:

<input type="file" name="fileToUpload" id="fileToUpload" />

<input type="submit" value="Upload Image" name="submit" />

</form>

</body>

</html>

PHP code

<!DOCTYPE html>

<html>

<head>

<title>Hello!</title>

</head>

<body>

<?php

$target\_dir = "uploads/";

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

$uploadOk = 1;

$imageFileType = pathinfo($target\_file,PATHINFO\_EXTENSION);

// Check if image file is a actual image or fake image if(isset($\_POST["submit"])) {

$check =getimagesize($\_FILES["fileToUpload"]["tmp\_name"]); if($check !== false) {

echo "File is an image - " . $check["mime"] . ".";

$uploadOk = 1;} else { echo "File is not an image.";

$uploadOk = 0;}} echo"<br/>" ; echo"<br/>" ;

echo $\_FILES["fileToUpload"]["tmp\_name"]; echo"<br/>" ;

echo"<br/>" ;

echo $\_FILES["fileToUpload"]["name"]; echo"<br/>" ;

echo"<br/>" ;

echo $\_FILES["fileToUpload"]["size"]; echo"<br/>" ;

echo"<br/>" ;

// Check if file already exists if (file\_exists($target\_file)) {

echo "Sorry, file already exists.";

$uploadOk = 0;}

// Check file size

if ($\_FILES["fileToUpload"]["size"] > 500000) { echo "Sorry, your file is too large.";

$uploadOk = 0;}

// Allow certain file formats

if($imageFileType != "jpg" && $imageFileType != "png" && $imageFileType != "jpeg" && $imageFileType != "gif" ) {

echo "Sorry, only JPG, JPEG, PNG & GIF files are allowed.";

$uploadOk = 0;

}

// Check if $uploadOk is set to 0 by an error if ($uploadOk == 0)

echo "Sorry, your file was not uploaded.";

// if everything is ok, try to upload file else

{

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

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

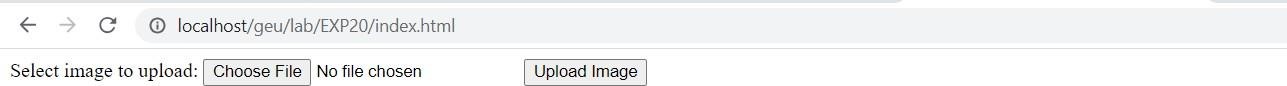
echo "Sorry, there was an error uploading your file.";}

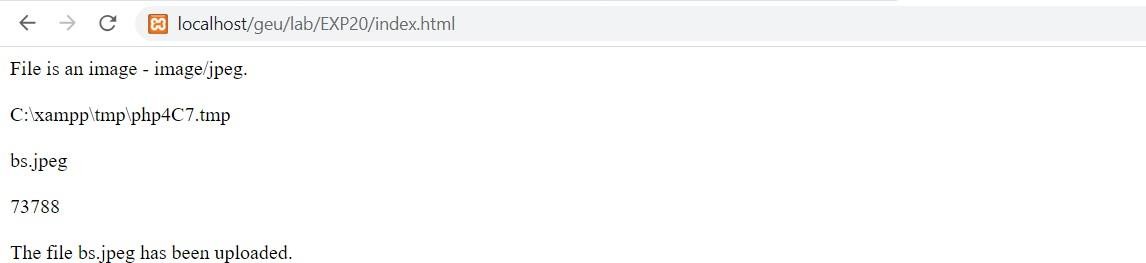
?>

</body>

</html>

## Output:





**Exp 22: MYSQL**

PHP with MySQL Develop a simple application to –

1. Enter data into database
2. Retrieve and present data from database
3. Develop a simple application to Update, Delete table data from database.

index.html

<!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">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

<title>Contact me form</title>

<style>

#new{

color: #9925be; font-weight: bold; font-size: 40px;

}

</style>

</head>

<body style = " background-color : #ffff99 ; color: #9925be;">

<div id="container">

<center id = "new" >Sign Up</center>

<form name="myform" action = "lab\_file\_submit.php" onsubmit="return validateForm()" method="post">

<div>

<label for="fname">First Name:</label>

<input type="text" name="fname" id="fname" placeholder="Enter your Name">

</div>

<br>

<div>

<label for="mname">Middle Name:</label>

<input type="text" name="mname" id="mname" placeholder="Enter your Name">

</div>

<br>

<div>

<label for="lname">Last Name:</label>

<input type="text" name="lname" id="lname" placeholder="Enter your Name">

</div>

<br>

<div>

<label for="pass">Password:</label>

<input type="password" name="pass" id="pass" placeholder="Enter your Password">

</div>

<br>

<div>

<label for="cpass">Confirm Password:</label>

<input type="password" name="cpass" id="cpass" placeholder="ReEnter your Password">

</div>

<br>

<div>

<label for="email">Email:</label>

<input type="email" name="email" id="email" placeholder="Enter your Email">

</div>

<br>

<div>

<label for="gender">Gender:</label>

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

</div>

<br>

<div>

<label for="num">Contact-NO:</label>

<input type="tel" name="num" id="num" placeholder="Enter your Number">

</div>

<br>

<div>

<label for="addr">Address:</label>

<textarea type="text" name="addr" id="addr" rows ="4" cols = "20"></textarea>

</div>

<br>

<div>

<label for="pin">Pin-Code:</label>

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

</div>

<br>

<div>

<label for="city">City:</label>

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

</div>

<br>

<div>

<label for="con">Country:</label>

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

</div>

<br>

<div>

<label for="skill">skills:</label>

PHP<input type="radio" name="skill" id="skill" value = "php"> JAVA<input type="radio" name="skill" id="skill" value ="java"> AJAX<input type="radio" name="skill" id="skill" value = "ajax"> JQUERY<input type="radio" name="skill" id="skill" value = "jquery">

.NET<input type="radio" name="skill" id="skill" value = ".net">

</div>

<br>

<div>

<input type="radio" name="term" id="term">I have read terms and conditions.

</div>

<br>

<div>

<button id="btn" type="submit">Submit</button>

<button id="btn" type="reset">reset</button>

</div>

</form>

</div>

<script>

function validateForm() {

let x = document.forms["myform"]["name"].value;

let password = document.forms["myform"]["pass"].value; let email = document.forms["myform"]["email"].value; var atposition = email.indexOf("@");

var dotposition = email.lastIndexOf(".");

//name or text validation if (x.match(/[0-9]/)) {

// notify the user about their mistake

alert("Avoid numbers in the first name field, please.");

// focus the field to make it easy to correct name.focus();

// prevent the form from submitting return false;

}

if (x == "" || x == null) { alert("Name must be filled out"); return false;

}

//email validation

else if (atposition < 1 || dotposition < atposition + 2 || dotposition + 2 >= email.length) { alert("Please enter a valid e-mail address \n atpostion:" + atposition + "\n dotposition:" +

dotposition);

return false;

}

// password length validation else if (password.length < 6) {

alert("Password must be at least 6 characters long."); return false;

}

}

</script>

</body>

</html>

lab\_file\_submit.php

<!DOCTYPE html>

<html>

<head>

<title>Insert Page</title>

</head>

<body>

<center>

<?php

$username="root";

$servername="localhost";

$password="";

$database = "myFile";

$conn = mysqli\_connect($servername,$username,$password,$database); if($conn === false){

die("ERROR: Could not connect. ". mysqli\_connect\_error());

}

$first\_name = $\_REQUEST['fname'];

$middle\_name = $\_REQUEST['mname'];

$last\_name = $\_REQUEST['lname'];

$password = $\_REQUEST['pass'];

$email = $\_REQUEST['email'];

$gender = $\_REQUEST['gender'];

$phone = $\_REQUEST['num'];

$address = $\_REQUEST['addr'];

$pin = $\_REQUEST['pin'];

$city = $\_REQUEST['city'];

$country = $\_REQUEST['con'];

$skill = $\_REQUEST['skill'];

$sql = "INSERT INTO formtable VALUES ('$first\_name','$middle\_name', '$last\_name','$password','$email','$gender','$phone','$address','$pin','$city','$country','$skill')";

if(mysqli\_query($conn, $sql)){

echo "<h3>data stored in a database successfully."

. " Please browse your localhost php my admin"

. " to view the updated data</h3>";

kill");

echo nl2br("\n$first\_name\n $middle\_name\n $last\_name\n "

."$gender\n"."$phone\n"."$email\n"."$password\n"."$address\n"."$pin"."$city"."$country"."$s

} else{

echo "ERROR: Hush! Sorry $sql. "

. mysqli\_error($conn);

}

mysqli\_close($conn);

?>

</center>

</body>

</html>

## OUTPUT:





**Exp 23: SQL Connection**

Create a PHP page for login page with sql connection.

<?php

$servername="localhost";

$username="root";

$password="";

$database="login";

$conn = **mysqli\_connect**($servername, $username, $password, $database); if(!$conn){

die("Sorry we failed to connect: ". **mysqli\_connect\_error**());

}

## session\_start();

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

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

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

$sql = "SELECT \* FROM users WHERE email = '$email' AND password = '$password'";

$result = $conn->**query**($sql);

if ($result->num\_rows == 1) {

$row = $result->**fetch\_assoc**();

$\_SESSION['user\_id'] = $row['id'];

$\_SESSION['name'] = $row['name'];

$\_SESSION['email'] = $row['email'];

$\_SESSION['dob'] = $row['dob'];

$\_SESSION['contact\_no'] = $row['contact\_no'];

$\_SESSION['city'] = $row['city'];

**header**("Location: profile.php"); exit();

} else {

$error = "Invalid email or password";

}

}

$conn->**close**();

?>

<!DOCTYPE *html*>

<html>

<head>

<title>Login</title>

<style>

\*,

\*::after,

\*::before { padding: 0;

box-sizing: border-box;

}

body {

font-family: Arial, sans-serif;

}

.container { width: 400px; margin: 0 auto; padding: 20px;

border: 1px solid #ccc;

}

.container h2 { text-align: center;

}

.form-group {

margin-bottom: 15px;

}

.form-group label { display: block; margin-bottom: 5px;

}

.form-group input { width: 100%; padding: 5px;

}

.error {

background-color: #ffbbc8; color: red;

margin-top: 5px; padding-block: 15px;

}

.form-group button { padding: 5px 10px; background-color: #4caf50; color: white;

border: none; cursor: pointer;

}

</style>

</head>

<body>

<div *class*="container">

<h2>Login</h2>

<form *method*="POST" *action*="<?php **echo** $\_SERVER['PHP\_SELF']; ?>">

<div *class*="form-group">

<label *for*="email">Email:</label>

<input *type*="email" *name*="email" *required* />

</div>

<div *class*="form-group">

<label *for*="password">Password:</label>

<input *type*="password" *name*="password" *required* />

</div>

<div *class*="form-group">

<button *type*="submit">Login</button>

</div>

<?php if (**isset**($error)): ?>

<div *class*="form-group error" align="center"><?php **echo** $error; ?></div>

<?php endif; ?>

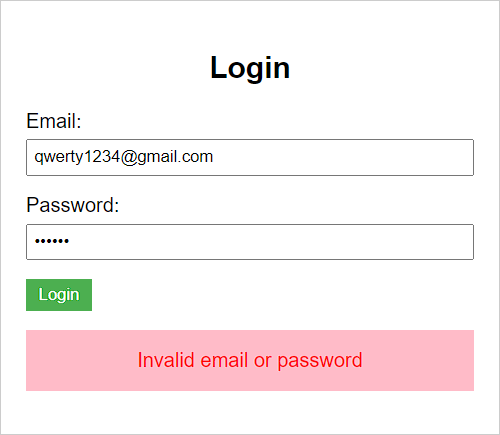
</form>

</div>

</body>

</html>

OUTPUT



## Exp 24: File Handling Using PHP

1. Write a php program to Read from existing file.

<?php

$filename = "example.txt";

$file = **fopen**($filename, "r"); if ($file) {

while (($line = **fgets**($file)) !== false) {

**echo** $line . "<br>";

}

**fclose**($file);

} else {

**echo** "Failed to open the file.";

}

?>

## OUTPUT:



1. Write a php program to Write a file

<?php

$filename = "output.txt";

$file = **fopen**($filename, "w"); if ($file) {

$content = "Hi there everyone.\n";

**fwrite**($file, $content);

**fclose**($file);

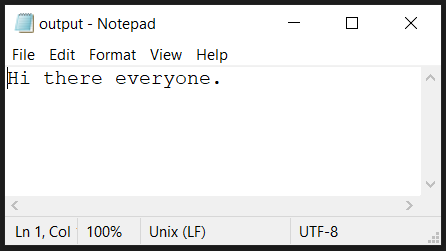
**echo** "File written successfully.";

} else {

**echo** "Failed to open the file.";

}

?>



## Exp 25:

Design a news web page which include a sidebar with real-time weather data. While you’re reading your news article, code in the background could asynchronously update the weather display every 60 seconds by using the JSON database.

JSON weather data:

{

"dt": 1433383200,

"temp": {"day": 293.5, "min": 293.5, "max": 293.5, "night": 293.5, "eve": 293.5, "morn":

293.5}, "pressure": 1015.06,

"humidity": 98,

"weather": [{"id": 802, "main": "Clouds", "description": "scattered clouds","icon": "03n"}], "speed": 2.86,

"deg": 134,

"clouds": 44

}

index.html

<!DOCTYPE html>

<html>

<head>

<title>News Page with Weather Sidebar</title>

<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

<script>

// Function to update weather data function updateWeather() {

$.getJSON('weather.json', function(data) {

// Extract relevant weather information from the JSON data var temperature = data.temp.day;

var weatherDescription = data.weather[0].description; var weatherIcon = data.weather[0].icon;

// Update weather display on the sidebar

$('#temperature').html(temperature + ' &deg;C');

$('#weather-description').html(weatherDescription);

$('#weather-icon').attr('src', 'icons/' + weatherIcon + '.png');

});

}

setInterval(updateWeather, 60000);

// Initial weather update on page load

$(document).ready(function() { updateWeather();

});

</script>

<style>

/\* CSS styles for the sidebar \*/ #sidebar {

width: 200px;

background-color: #f2f2f2; padding: 10px;

}

#weather {

margin-bottom: 20px;

}

#weather img { width: 50px; height: 50px;

}

</style>

</head>

<body>

<div id="sidebar">

<div id="weather">

<h2>Weather</h2>

<img id="weather-icon" src="" alt="Weather Icon">

<p id="temperature"></p>

<p id="weather-description"></p>

</div>

<div id="other-sidebar-content">

<!-- Other sidebar content goes here -->

</div>

</div>

<div id="main-content">

<!-- News articles and main content go here -->

</div>

</body>

</html>

weather.json

{

"dt": 1433383200,

"temp": {"day": 293.5, "min": 293.5, "max": 293.5, "night": 293.5, "eve": 293.5, "morn":

293.5},

"pressure": 1015.06,

"humidity": 98,

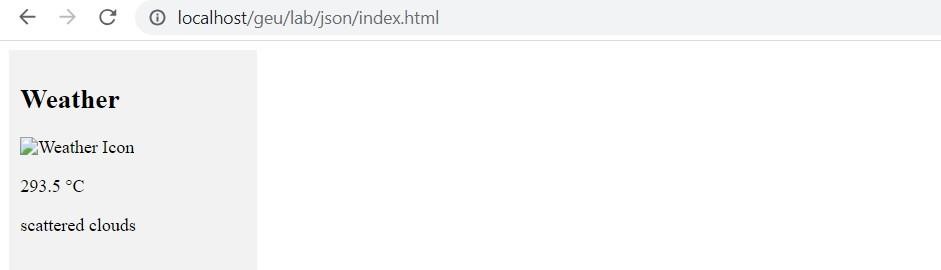
"weather": [{"id": 802, "main": "Clouds", "description": "scattered clouds","icon": "03n"}], "speed": 2.86,

"deg": 134,

"clouds": 44

}

OUTPUT



## Exp 26: JSON

**Aim**: Write a PHP program to fetch the content of JSON file ‘abc.json’ through PHP and store datainto a structured database ‘jsondb’

abc.json

{

"stdID": "0106",

"stdData": {

"stdName": "Mirwaise", "stdAge": "23",

"stdGender": "Male",

"stdNo": "12345",

"stdAddress": { "stdStreet": "786 Street", "stdCity": "Riyadh",

"stdCountry": "Saudi Arabia", "stdPostal": "98765"

}

},

"stdEdu": {

"stdDept": "Computer Science", "stdSemester": "8",

"stdMajor": "Web Programming"

}

}

json\_sql.php

<?php

// Read JSON file

$jsonData = file\_get\_contents('abc.json');

// Convert JSON data to associative array

$data = json\_decode($jsonData, true);

// Database connection parameters

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "jsondb";

// Create a new database connection

$conn = new mysqli($servername, $username, $password, $dbname);

// Check if the connection was successful if ($conn->connect\_error) {

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

}

// Extract data from the JSON array

$stdID = $data['stdID'];

$stdName = $data['stdData']['stdName'];

$stdAge = $data['stdData']['stdAge'];

$stdGender = $data['stdData']['stdGender'];

$stdNo = $data['stdData']['stdNo'];

$stdStreet = $data['stdData']['stdAddress']['stdStreet'];

$stdCity = $data['stdData']['stdAddress']['stdCity'];

$stdCountry = $data['stdData']['stdAddress']['stdCountry'];

$stdPostal = $data['stdData']['stdAddress']['stdPostal'];

$stdDept = $data['stdEdu']['stdDept'];

$stdSemester = $data['stdEdu']['stdSemester'];

$stdMajor = $data['stdEdu']['stdMajor'];

// SQL query to insert data into the database

$sql = "INSERT INTO students (stdID, stdName, stdAge, stdGender, stdNo, stdStreet, stdCity, stdCountry, stdPostal, stdDept, stdSemester, stdMajor)

VALUES ('$stdID', '$stdName', '$stdAge', '$stdGender', '$stdNo', '$stdStreet', '$stdCity', '$stdCountry', '$stdPostal', '$stdDept', '$stdSemester', '$stdMajor')";

// Execute the SQL query

if ($conn->query($sql) === TRUE) { echo "Data inserted successfully.";

} else {

echo "Error: " . $sql . "<br>" . $conn->error;

}

// Close the database connection

$conn->close();

?>

## OUT