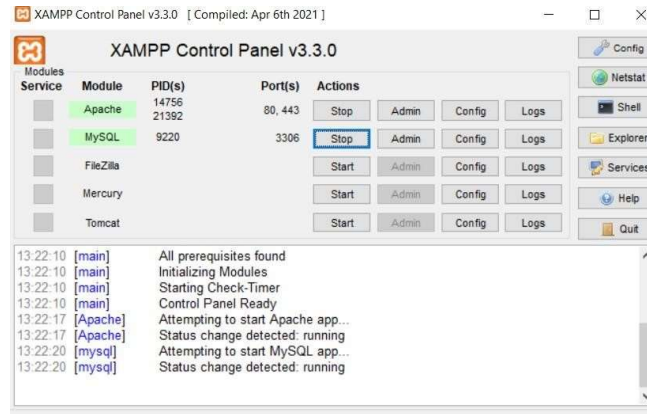


## PHP

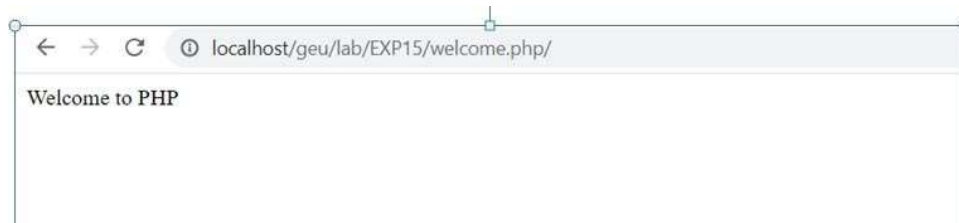
### Exp 15: PHP

- a) Install and configure PHP, web server, MYSQL (XAMPP)



- b) 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">
  <title>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['submit'])){
    $num=$_POST['num'];if($num
    % 2 == 0){
      echo $num , " is Even Number";
    }
    else{
      echo $num , " is Odd Number";
    }
  }
?>

</body>
</html>
```



← → ↻ ⓘ localhost/geu/lab/EXP15/oddeven.php/

## Enter a number

12 is Even Number

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:

localhost/geu/lab/EXP15/maximum.php/

**Enter first number**

23

**Enter second number**

55

**Enter first number**

12

Find Maximum

Maximum Number is : 55

### 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:

localhost/geu/lab/EXP16/swap.php/

**Enter first number**

20

**Enter second number**

30

Swap number

-----Before Swapping-----  
 Num1 : 20 Num2 : 30  
 -----After Swapping-----  
 Num1 : 30 Num2 : 20

**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:

## The XMLHttpRequest Object

Get my CD collection

Artist	Title
Bob Dylan	Empire Burlesque
Bonnie Tyler	Hide your heart
Dolly Parton	Greatest Hits
Gary Moore	Still got the blues
Eros Ramazzotti	Eros
Bee Gees	One night only
Dr.Hook	Sylvias Mother



**Exp 18: PHP Functions**

- Write a PHP Program to demonstrate the variable function: `gettype()` and `settype()`
- Write a PHP Program to demonstrate the variable uncton: `isset()`
- Write a PHP Program to demonstrate the variable uncton: `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:**

```

Type of $num: integer
Type of $num after settype(): string
$num is set and not null
$num is not set or null

```

**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 .

Units Consumed	Rate
<100	Rs. 3/ Unit
Between 100 and 200	Rs. 4/ Unit
Between 200 and 300	Rs. 5/ Unit
>300	Rs. 6/ Unit

**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-----

Electricity Bill	
Enter the consumer number	<input type="text" value="C111"/>
Enter the consumer name	<input type="text" value="Deepak"/>
Enter the previous reading	<input type="text" value="11101"/>
Enter the present reading	<input type="text" value="11300"/>
<input type="button" value="Submit"/>	

Electricity Bill	
Consumer Number	C111
Consumer Name	Deepak
Previous Reading	11101
Present Reading	11300
Unit Consume	199
Amount	796

## 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.....

## Cookie and Session-based Counter

Session Counter: 3

Cookie Counter: 3

**Exp 21: File Handling**

**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 –

- Enter data into database
- Retrieve and present data from database
- 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 : #fff99 ; 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 validationif
  (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>";

        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
kill");

    } else{
        echo "ERROR: Hush! Sorry $sql. "
        . mysqli_error($conn);
    }

    mysqli_close($conn);
?>
</center>
</body>
</html>

```

### OUTPUT:

The screenshot shows a web browser window with the address bar displaying 'localhost/geu/lab/EXP21/index.html'. The page has a yellow background and a purple 'Sign Up' heading. The form includes the following fields and values:

- First Name: Graphic
- Middle Name: Era
- Last Name: University
- Password: \*\*\*\*
- Confirm Password: \*\*\*\*
- Email: xyz@gmail.com
- Gender: Male (selected), Female
- Contact-NO: 8987678890
- Address: Dehradun
- Pin-Code: 240008
- City: dehradun
- Country: India
- skills: PHP (selected), JAVA, AJAX, JQUERY, NET
- checkbox: I have read terms and conditions (checked)
- Buttons: Submit, reset

localhost/geu/lab/EXP21/lab\_file\_submit.php

data stored in a database successfully. Please browse your localhost php my admin to view the updated data

Graphic  
Era  
University  
male  
8987678890  
xyz@gmail.com  
1234  
Dehradun  
240008dehradunIndiaphp

**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>

```

```

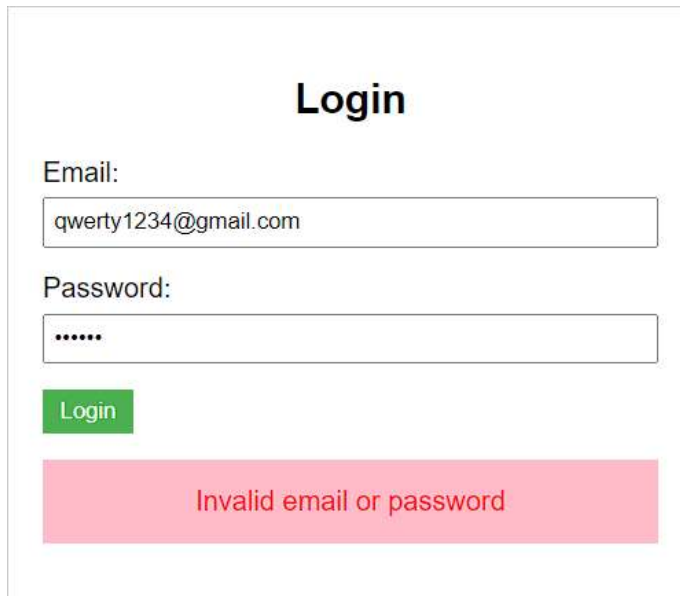
*,
*::after,
*::before {
  padding: 0;
  box-sizing: border-box;
}
body {
  font-family: Arial, sans-serif;
}
.container {
  width: 400px;
  margin: 0 auto;
  padding: 20px;
  border: 1px solid #ccc;
}
.container h2 { text-align: center; }
.form-group { margin-bottom: 15px; }
.form-group label { display: 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.....



**Login**

Email:  
qwerty1234@gmail.com

Password:  
.....

Login

Invalid email or password

**Exp 24: File Handling Using PHP**

- a. 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:**

```
----- Subject: Full Stack Web Development Lab |
```

- b. Write a php program to Write a file

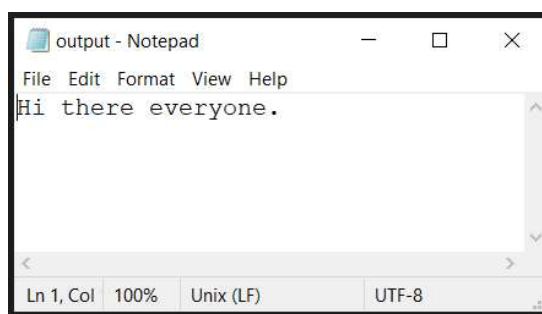
```
<?php

$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 weatherdisplay 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 + ' °C');
                $('#weather-description').html(weatherDescription);
                $('#weather-icon').attr('src', 'icons/' + weatherIcon + '.png');
            });
        }
    </script>

```

```

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 data into 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

← → ↻ localhost/geu/lab/json2/json\_sql.php

Data inserted successfully.

