

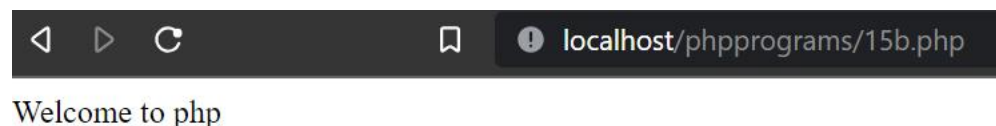
Exp 15:

- Install and configure PHP, web server, MYSQL (XAMPP)
- Write a program to print "Welcome to PHP"
- Create a php program to find odd or even number from given number.
- Write a php program to find maximum of three numbers.

15b)

```
<?php
    echo "Welcome to php"
?>
```

OUTPUT -



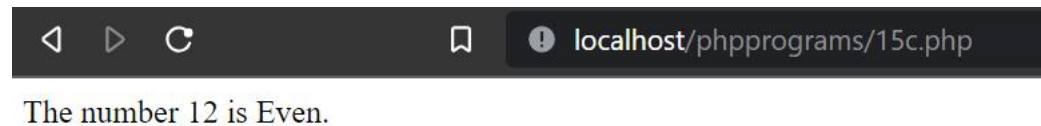
15c)

```
<?php
function checkOddEven($number) {
    if ($number % 2 == 0) {
        return "Even";
    } else {
        return "Odd";
    }
}
```

```
$number = 12;
```

```
$result = checkOddEven($number);  
echo "The number {$number} is {$result}."  
?>
```

OUTPUT -



15d)

```
<?php  
function findMaximum($num1, $num2, $num3) {  
    $max = $num1;  
  
    if ($num2 > $max) {  
        $max = $num2;  
    }  
  
    if ($num3 > $max) {  
        $max = $num3;  
    }  
  
    return $max;  
}  
$num1 = 12;  
$num2 = 24;
```

```
$num3 = 7;
```

```
$maxNumber = findMaximum($num1, $num2, $num3);
```

```
echo "The maximum number is: " . $maxNumber;
```

```
?>
```

OUTPUT -



The maximum number is: 24

16) Write a program to enter TWO numbers and print the Swap Numbers using PHP

```
<?php
$a=10;
$b=20;
echo "Numbers before swapping: <br>";
echo "Num1=$a Num2=$b <br>";
$temp=$a;
$a=$b;
$b=$temp;
echo "Numbers after swapping: <br>";
echo "Num1=$a Num2=$b <br>";
?>
```

OUTPUT

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

17a) Write a PHP Program to demonstrate the variable function: gettype() and settype()

```
<?php
$a=10;
echo "Type of variable a is: ";
echo gettype($a);
echo "<br>";
settype($a,"double");
echo "Type of variable a is: ";
echo gettype($a);
?>
```

OUTPUT

Type of variable a is: integer
Type of variable a is: double

17b) Write a PHP Program to demonstrate the variable uncton: isset()

```
<?php
$a=10;
isset($a);
echo "$a is set";
?>
```

OUTPUT

10 is set

17c) Write a PHP Program to demonstrate the variable uncton: unset()

```
<?php
$a=10;
unset($a);
echo "$a is unset";
?>
```

OUTPUT

Warning: Undefined variable \$a in C:\xamppnew\htdocs\weblab\WEBLABFILE\ques17c.php on line 4
is unset

18) Electricity Bill Using PHP (To Understand Form Handling in PHP)

```
<!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>
```

```
h1 {
```

```
    text-align: center;
```

```
    color: rgb(0, 0, 0);
```

```
    font-size: 50px;
```

```
    font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;
```

```
}
```

```
form{
```

```
    text-align: center;
```

```
    font-size: 30px;
```

```
    font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;
```

```
}
```

```
input{
```

```
    font-size: 20px;
```

```
    font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;
```

```
}
```

```
label{
```

```
    font-size: 20px;
```

```
    font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;
```

```
}
```

```
</style>
</head>
<body>
  <h1>Electricity Bill</h1>
  <form>
    <label for="">Enter the consumer number</label>
    <input type="text" name="consumer_number" id="">
    <br>
    <label for="">Enter the consumer name</label>
    <input type="text" name="consumer_name" id="">
    <br>
    <label for="">Enter the previous month reading</label>
    <input type="text" name="previous_month_reading" id="">
    <br>
    <label for="">Enter the current month reading</label>
    <input type="text" name="current_month_reading" id="">
    <br>
    <input type="submit" value="submit" name="submit">

  <?php
    if(isset($_GET['submit'])){
      $consumer_number = $_GET['consumer_number'];
      $consumer_name = $_GET['consumer_name'];
      $previous_month_reading = $_GET['previous_month_reading'];
      $current_month_reading = $_GET['current_month_reading'];
      $units = $current_month_reading - $previous_month_reading;
      $total_amount = 0;
      if($units <= 100){
        $total_amount = $units * 3;
      }
    }
  }
```



```
else if($units > 100 && $units <= 200){
    $total_amount = 100 * 3 + ($units - 100) * 4;
}
else if($units > 200 && $units <= 300){
    $total_amount = 100 * 3 + 100 * 4 + ($units - 200) * 5;
}
else if($units > 300){
    $total_amount = 100 * 3 + 100 * 4 + 100 * 5 + ($units - 300) * 6;
}
echo "<br>";
echo "Consumer Number: ".$consumer_number;
echo "<br>";
echo "Consumer Name: ".$consumer_name;
echo "<br>";
echo "Previous Month Reading: ".$previous_month_reading;
echo "<br>";
echo "Current Month Reading: ".$current_month_reading;
echo "<br>";
echo "Units Consumed: ".$units;
echo "<br>";
echo "Total Amount: ".$total_amount;
}
?>
```

</form>

</body>

</html>

OUTPUT

Electricity Bill

Enter the consumer number

Enter the consumer name

Enter the previous month reading

Enter the current month reading

Consumer Number: 1234
Consumer Name: abc
Previous Month Reading: 10
Current Month Reading: 100
Units Consumed: 90
Total Amount: 270

19) Write PHP program to implement a cookie and session based counter.

Session1.php

```
<?php
// Start the session
session_start();

?>

<!DOCTYPE html>

<html>

<body>


<?php
// Set session variables
$_SESSION["favcolor"] = "green";
$_SESSION["favanimal"] = "cat";
echo "Session variables are set.";
?>

</body>
</html>
```

Session2.php

```
<?php
session_start();

?>

<!DOCTYPE html>

<html>

<body>


<?php
// Echo session variables that were set on previous page
```

```
echo "Favorite color is " . $_SESSION["favcolor"] . "<br>";  
echo "Favorite animal is " . $_SESSION["favanimal"] . ".";  
?>
```

```
</body>
```

```
</html>
```

Session3.php

```
<?php
```

```
session_start();
```

```
?>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<?php
```

```
print_r($_SESSION);
```

```
?>
```

```
</body>
```

```
</html>
```

Session4.php

```
<?php
```

```
session_start();
```

```
?>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<?php
// to change a session variable, just overwrite it
$_SESSION["favcolor"] = "yellow";
print_r($_SESSION);
?>

</body>
</html>
```

Session5.php

```
<?php
session_start();
?>

<!DOCTYPE html>
<html>
<body>
```

```
<?php
// remove all session variables
session_unset();

// destroy the session
session_destroy();
?>
```

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

Setcookie.php

```
<!DOCTYPE html>
```

```
<?php
$cookie_name = "user_name";
$cookie_value = "parul madan";
setcookie($cookie_name, $cookie_value, time() +(86400 * 30), "/"); // 86400 = 1 day
?>
```

```
<html>
```

```
<body>
```

```
<?php
if(!isset($_COOKIE[$cookie_name])) {
    echo "Cookie named '" . $cookie_name . "' is not set!";
} else {
    echo "Cookie '" . $cookie_name . "' is set!<br>";
    echo "Value is: " . $_COOKIE[$cookie_name];
}
?>
```

```
<p><strong>Note:</strong> You might have to reload the page to see the value of the
cookie.</p>
```

```
</body>
```

```
</html>
```

OUTPUT

Session variables are set.

Favorite color is green.
Favorite animal is cat.

```
Array ( [favcolor] => green [favanimal] => cat )
```

```
Array ( [favcolor] => yellow [favanimal] => cat )
```

Warning: Undefined array key "favcolor" in C:\xamppnew\htdocs\PHP_SESSION\session2.php on line 10
Favorite color is .

Warning: Undefined array key "favanimal" in C:\xamppnew\htdocs\PHP_SESSION\session2.php on line 11
Favorite animal is .

Cookie 'user_name' is set!
Value is: parul madan

Note: You might have to reload the page to see the value of the cookie.

20) Write a PHP program to upload the user input file and using constraints file type, file size.

Fileupload.html

```
<!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>
```

Upload.php

```
<!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

Select image to upload: No file chosen

File is an image - image/png.

C:\xamppnew\tmp\php169E.tmp

LinkedIn-banner-5-1024x256.png

248072

The file LinkedIn-banner-5-1024x256.png has been uploaded.

21) Develop a simple application to –

- **Enter data into Database**
- **Retrieve and present data from database**
- **Update, Delete table data from database.**

EnterData.php

```
<?php
// Database connection
$conn = new mysqli("localhost", "root", "", "geu");

// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

// Form submission handling
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = $_POST["name"];
    $age = $_POST["age"];
    $gender = $_POST["gender"];

    // SQL query to insert data into the table
    $sql = "INSERT INTO info (name, age, gender) VALUES ('$name', '$age', '$gender')";

    if ($conn->query($sql) === TRUE) {
        echo "Data inserted successfully.";
    } else {
        echo "Error: " . $sql . "<br>" . $conn->error;
    }
}
```

```
// Close the database connection
```

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

```
?>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <title>Enter Data</title>
```

```
</head>
```

```
<style>
```

```
    body {
```

```
        font-family: Arial, Helvetica, sans-serif;
```

```
    }
```

```
    h2 {
```

```
        text-align: center;
```

```
    }
```

```
    form {
```

```
        width: 30%;
```

```
        margin: 0 auto;
```

```
    }
```

```
    input[type=text], input[type=number] {
```

```
        width: 100%;
```

```
        padding: 12px;
```

```
        margin: 6px 0;
```

```
        display: inline-block;
```

```
        border: 1px solid #ccc;
```

```
    box-sizing: border-box;
}
```

```
input[type=submit] {
    width: 100%;
    background-color: #4CAF50;
    color: white;
    padding: 12px;
    margin: 6px 0;
    border: none;
    border-radius: 4px;
    cursor: pointer;
}
```

```
input[type=submit]:hover {
    background-color: #45a049;
}
```

```
label {
    padding: 12px 12px 12px 0;
    display: inline-block;
}
```

```
.container {
    border-radius: 5px;
    background-color: #f2f2f2;
    padding: 20px;
}
```

</style>

<body>

```
<h2>Enter Data</h2>

<form method="post" action="<?php echo $_SERVER["PHP_SELF"]; ?>">

    <label for="name">Name:</label>

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

    <br><br>

    <label for="age">Age:</label>

    <input type="number" name="age" required>

    <br><br>

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

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

    <br><br>

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

</form>

</body>

</html>
```

RetrieveData.php

```
<?php

// Database connection

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

// Check connection

if ($conn->connect_error) {

    die("Connection failed: " . $conn->connect_error);

}

// SQL query to retrieve data from the table

$sql = "SELECT * FROM info";

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

```

// Check if there are any records
if ($result->num_rows > 0) {
    echo "<h2>Data from Database</h2>";
    echo "<table>";
    echo "<tr><th>Name</th><th>Age</th><th>Gender</th></tr>";

    // Output data of each row
    while ($row = $result->fetch_assoc()) {
        echo
        "<tr><td>".$row["name"]."</td><td>".$row["age"]."</td><td>".$row["gender"]."</td></tr>";
    }

    echo "</table>";
} else {
    echo "No data found.";
}

// Close the database connection
$conn->close();
?>

<!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>

<style>

```



```
body {  
    font-family: Arial, Helvetica, sans-serif;  
}
```

```
h2 {  
    text-align: center;  
}
```

```
table {  
    width: 50%;  
    margin: 30px auto;  
    border-collapse: collapse;  
    text-align: left;  
}
```

```
tr {  
    border-bottom: 1px solid #cbcbcb;  
}
```

```
th, td {  
    border: none;  
    height: 30px;  
    padding: 2px;  
}
```

```
tr:hover {  
    background: #F5F5F5;  
}
```

</style>

<body>

</body>

</html>

UpdateDelete.php

<?php

// Database connection

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

// Check connection

if (\$conn->connect_error) {

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

}

// Update data

if (\$_SERVER["REQUEST_METHOD"] == "POST" && isset(\$_POST["update"])) {

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

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

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

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

// SQL query to update data in the table

\$sql = "UPDATE info SET name='\$name', age='\$age', gender='\$gender' WHERE id='\$id'";

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

 echo "Data updated successfully.";

} else {

 echo "Error updating data: " . \$conn->error;

```

    }
}

// Delete data
if ($_SERVER["REQUEST_METHOD"] == "POST" && isset($_POST["delete"])) {
    $id = $_POST["id"];

    // SQL query to delete data from the table
    $sql = "DELETE FROM info WHERE id='$id'";

    if ($conn->query($sql) === TRUE) {
        echo "Data deleted successfully.";
    } else {
        echo "Error deleting data: " . $conn->error;
    }
}

// Close the database connection
$conn->close();
?>

<!DOCTYPE html>
<html>
<head>
    <title>Update and Delete Data</title>
</head>
<style>
    body {
        font-family: Arial, Helvetica, sans-serif;
    }

```

```
h2 {  
    text-align: center;  
}
```

```
form {  
    width: 30%;  
    margin: 0 auto;  
}
```

```
input[type=text], input[type=number] {  
    width: 100%;  
    padding: 12px;  
    margin: 6px 0;  
    display: inline-block;  
    border: 1px solid #ccc;  
    box-sizing: border-box;  
}
```

```
input[type=submit] {  
    width: 100%;  
    background-color: #4CAF50;  
    color: white;  
    padding: 12px;  
    margin: 6px 0;  
    border: none;  
    box-sizing: border-box;  
    font-size: 16px;  
}
```

```
input[type=submit]:hover {
    background-color: #45a049;
}
</style>
<body>
    <h2>Update and Delete Data</h2>
    <form method="post" action="<?php echo $_SERVER["PHP_SELF"]; ?>">
        <label for="id">ID:</label>
        <input type="number" name="id" required>
        <br><br>
        <label for="name">Name:</label>
        <input type="text" name="name" required>
        <br><br>
        <label for="age">Age:</label>
        <input type="number" name="age" required>
        <br><br>
        <label for="gender">Gender:</label>
        <input type="text" name="gender" required>
        <br><br>
        <input type="submit" name="update" value="Update">
        <input type="submit" name="delete" value="Delete">
    </form>
</body>
</html>
```

OUTPUT

Enter Data

Name:

Age:

Gender:

Submit

Data from Database

Name	Age	Gender
admin	23	Male

Data deleted successfully.

Update and Delete Data

ID:

Name:

Age:

Gender:

Update

Delete

22) Create a PHP page for login page with sql connection.

Connection.php

```
<?php
$user = 'root';
$password = "";
$db = 'geu' ;

//create connection
$con = mysqli_connect('localhost', $user, $password,$db) or
    die("Connection failed: " . mysqli_connect_error());
echo "Connected successfully";
?>
```

Login.php

```
<html>
<head>
    <title>Untitled</title>
    <style type="text/css">
        th {
            text-align: right;
        }
        h3 {
            text-align: center;
        }
    </style>
</head>
<body bgcolor="pink">
    <h3>login form using session or cookies</h3>
    <form action="validate.php" method="post">
        <tr><th>Email</th><td><input type="text" id="email"name="email" value=""</td></tr>
        <tr><th>password</th><td><input type="password" id="pass"name="password"
value=""</td></tr>
```

```

<br/>

</br>

    <tr><td colspan="2"align="center"><input type="checkbox" name="remember"
value="1">Remember me</td></tr>

</br>

</br>

    <tr><td colspan="2"align="right"><input type="submit" name="login"
value="login"></td></tr>

</form>

</table>

</body>

</html>

```

Validate.php

```

<?php
require 'connection.php';
if(isset($_POST['login']))
{
    $email=$_POST['email'];
    $password=$_POST['password'];
    $remember=$_POST['remember'];

    $sql = "SELECT login.email,login.pass FROM geu.login where login.email='$email' and
login.pass='$password'";

    $result = mysqli_query($con,$sql);

    if(mysqli_num_rows($result)>0)
    {
        if(isset($_POST['remember']))
        {
            setcookie('email',$email,time()+60*60*7);
            setcookie('pass',$password,time()+60*60*7);
            session_start();

```



```

        $_SESSION['email']=$email;
        $_SESSION['pass']=$password;
        header("location:welcome.php") ;
    }
else
{
    echo"email or password is invalid <br>click here to login again<a href='login.php'>TRY
AGAIN</a>";
}}
else
{
    header("location:welcome.php");
}
?>

```

OUTPUT

Email password

☒ Remember me

Connected successfully

welcome your email is admin
your password is 1234
[logout](#)

23a) Write a php program to Read from existing file.

```
<?php  
$myfile = fopen("newfile.txt", "r") or die("Unable to open file!");  
echo fread($myfile,filesize("newfile.txt"));  
fclose($myfile);  
?>
```

OUTPUT

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23b) Write a php program to Write a file.

```
<?php  
$myfile = fopen("newfile.txt", "w") or die("Unable to open file!");  
$txt = "Btech CSE";  
fwrite($myfile, $txt);  
$txt = "Btech CSE";  
fwrite($myfile, $txt);  
fclose($myfile);  
?>
```

OUTPUT

Btech CSEBtech CSE