

LAB INTERNAL PROGRAMS

- 1) Write a PHP program to read Name from the user and display a welcome to the user.

Program:

ReadData.html:

```
<html>
  <head>
    <title>Reading data from web page</title>
  </head>
  <body>
    <form action="DispData.php" method="post">
      Name: <input type="text" name="name"><br>
      <input type="submit" value="Submit">
    </form>
  </body>
</html>
```

DispData.php:

```
<?php
    $name=$_POST["name"];
    echo "Hello Mr./Ms. $name, Welcome to PHP.";
?>
```

- 2) Write a PHP program to find the factorial of a given number.

Program:

Fact.html:

```
<html>
  <head>
    <title>Factorial of a Number</title>
  </head>
  <body>
    <center>
      <form action="Fact.php" method="get">
        Enter a Number:<input type="text" name="num"><br>
        <input type="submit" value="Submit">
      </form>
    </center>
  </body>
</html>
```

Fact.php:

```
<html>
  <head>
```

```

    <title>Factorial of a Number</title>
</head>
<?php
    $num=$_GET["num"];
    $fact=1;
    for($i=1;$i<$num;$i++)
        $fact=$fact*$i;
    echo "The Factorial of the $num is: $fact";
?>
</html>

```

3) Write a PHP program to authenticate a user using his username and password.

Program:

Login.html:

```

<html>
    <head>
        <title>Login Page</title>
    </head>
    <body>
        <center>
            <h1>Login Page</h1>
            <form action="Login.php" method="post">
                <table>
                    <tr>
                        <td>User name:</td>
                        <td><input type="text" name="uname"/></td>
                    </tr>
                    <tr>
                        <td>Password:</td>
                        <td><input type="password" name="pwd"/></td>
                    </tr>
                    <tr>
                        <td><input type="submit" value="Login"></td>
                        <td><input type="reset" value="Clear"/></td>
                    </tr>
                </table>
            </form>
        </center>
    </body>
</html>

```

Login.php:

```
<html>
  <head>
    <title>Login Page</title>
  </head>
  <?php
    $un=$_POST["uname"];
    $pwd=$_POST["pwd"];
    if($un=="Chythu"&&$pwd=="chythu")
      echo "Login Success";
    else
      echo "Login Failed";
  ?>
</html>
```

- 4) Write a PHP program to authenticate a user using his username and password with database values.

Program:**LoginDB.html:**

```
<html>
  <head>
    <title>Login Page</title>
  </head>
  <body>
    <center>
      <h1>Login Page</h1>
      <form action="LoginDB.php" method="post">
        <table>
          <tr>
            <td>User name:</td>
            <td><input type="text" name="uname"/></td>
          </tr>
          <tr>
            <td>Password:</td>
            <td><input type="password" name="pwd"/></td>
          </tr>
          <tr>
            <td><input type="submit" value="Login"></td>
            <td><input type="reset" value="Clear"/></td>
          </tr>
        </table>
```

```
        </form>
    </center>
</body>
</html>
```

LoginDB.php:

```
<html>
<head>
    <?php
        $con=mysqli_connect("localhost","root","","scce");
        // Check connection
        if (mysqli_connect_errno()) {
            echo "Failed to connect to MySQL: " . mysqli_connect_error();
        }
    ?>
    <title>Login Page</title>
</head>
<body>
    <?php
        $name=$_POST['uname'];
        $pwd=$_POST['pwd'];
        $query=mysqli_query($con,"select * from login where uname='$name'");
        $numrows= mysqli_num_rows($query);
        if($numrows!=0)
        {
            while($row= mysqli_fetch_assoc($query))
            {
                $dbuser=$row['uname'];
                $dbpwd=$row['pwd'];
            }
            if($name==$dbuser && $pwd==$dbpwd)
                echo "<h1>Welcome $name, You are successfully logged in</h1>";
            else
                echo "<h1>Loggin failed";
        }
    ?>
</body>
</html>
```

5) Write a PHP Program to create a registration for a website.

Program:

Reg.html:

```
<html>
  <head>
    <title>Registration Page</title>
  </head>
  <body>
    <center>
      <h1>Registration Page</h1>
      <form action="Reg.php" method="post">
        <table>
          <tr>
            <td>User name:</td>
            <td><input type="text" name="uname"/></td>
          </tr>
          <tr>
            <td>Password:</td>
            <td><input type="password" name="pwd"/></td>
          </tr>
          <tr>
            <td>Confirm Password:</td>
            <td><input type="password" name="cpwd"/></td>
          </tr>
          <tr>
            <td>Gender:</td>
            <td>
              <input type="radio" name="gen" value="Male"/>Male &nbsp;
              <input type="radio" name="gen" value="Female"/>Female
            </td>
          </tr>
          <tr>
            <td><input type="submit" value="Register Me"></td>
            <td><input type="reset" value="Clear"/></td>
          </tr>
        </table>
      </form>
    </center>
  </body>
</html>
```

Reg.php:

```
<html>
  <head>
    <title>Registration Page</title>
  </head>
  <?php
    $un=$_POST["uname"];
    $pwd=$_POST["pwd"];
    $cpwd=$_POST["cpwd"];
    $gen=$_POST["gen"];
    echo "User Name: $un<br>";
    echo "Password: $pwd<br>";
    echo "Confirm Password: $cpwd<br>";
    echo "Gender: $gen";
    echo "<h1>Registered Successfully";
  ?>
</html>
```

6) Write a PHP program to create sessions.**Program:****SessionDemo.html:**

```
<html>
  <head>
    <title>Session Demo</title>
  </head>
  <body>
    <center>
      <h1>Session Demo</h1>
      <h2>Login Page</h2>
      <form action="SessionDemo.php" method="post">
        Enter your Name:<input type="text" name="uname"><br>
        <input type="submit" value="Login" name="register">
      </form>
    </center>
  </body>
</html>
```

SessionDemo.php:

```
<html>
  <head>
    <title>Session Demo</title>
  </head>
```

```

<body>
  <?php
    session_start();
    $name=$_POST['uname'];
    $_SESSION['uname']=$name;
    date_default_timezone_set("Asia/Kolkata");
    echo "<p align=right>". date("h:i:sa")."</p>";
    echo "Hello ".$name.", !!! You are successfully logged in!<br>";
    $_SESSION['time']=time();
  ?>
  <form action="Logout.php" method="post">
    <input type="submit" value="Logout">
  </form>
</body>
</html>

```

Logout.php:

```

<?php
  session_start();
  $since=time()-$_SESSION['time'];
  $name=$_SESSION['uname'];
  echo "<h1>Thank you $name!!!</h1>". "the duration of your session is ".$since."
seconds";
  session_destroy();
?>

```

7) Write a PHP program to create cookies.

Program:

CookieDemo.php:

```

<html>
  <head>
    <title>Cookie Demo</title>
    <style>
      div
      {
        font-size: 20;
        font-style: verdana;
        font-weight: bold;
      }
    </style>
  </head>
  <body><br>

```

```

<center>
  <h1>Cookie Demo</h1>
  <form action="" method="post">
    <table>
      <tr>
        <td>Enter Cookie Name:</td>
        <td><input type="text" name="cname"></td>
      </tr>
      <tr>
        <td>Enter Cookie Value:</td>
        <td><input type="text" name="cvalue"></td>
      </tr>
      <tr>
        <td align="center"><input type="submit" value="Add Cookie"
name="submit"></td>
        <td align="center"><input type="submit" value="List Cookies"
name="lcookies"></td>
      </tr>
    </table>
  </form>

```

```

<?php
$exp=time()+86400;
if(isset($_POST['submit']))
{
  $cn=$_POST['cname'];
  $cv=$_POST['cvalue'];
  setcookie($cn,$cv,$exp);
  echo "<tr><td colspan=2><div>Cookie Added</div></td></tr>";
}
if(isset($_POST['lcookies']))
{
  foreach($_COOKIE as $key=>$val)
  {
    echo "<tr><td><div>Cookie Name: </div></td>"+
      "<td><div>".$key."</div></td></tr>"+
      "<tr><td><div>Cookie Value: </div></td>"+
      "<td><div>".$val."</div></td></tr></div>";
  }
}

```



```

    }

    ?>
  </center>
</body>
</html>

```

8) Write a PHP program to upload an image file to the server.

Program:

FileUpload.html:

```

<html>
  <head>
    <title>File Upload Demo</title>
  </head>
  <body>
    <form action="File.php" method="post" enctype="multipart/form-data">
      File name: <input type="file" name="file" id="file"><br>
      <input type="submit" value="Upload File">
    </form>
  </body>
</html>

```

File.php:

```

<?php
if ($_FILES["file"]["error"] > 0)
{
  echo "Error: " . $_FILES["file"]["error"] . "<br />";
}
else
{
  $img=explode('.',$_FILES['file']['name']);
  $ext= strtolower(end($img));
  echo "Upload: " . $_FILES["file"]["name"] . "<br />";
  echo "Type: " . $_FILES["file"]["type"] . "<br />";
  echo "Size: " . ($_FILES["file"]["size"] / 1024) . " Kb<br />";
  echo "Stored in: " . $_FILES["file"]["tmp_name"]."<br>";
  echo "Extension: " . $ext;
  $extensions=array("jpeg","jpg","png","gif");
  if(in_array($ext,$extensions)===false)
    $err[]="Uploaded file must be an Image file. Please select Image file.";
  if(empty($err)==true)
  {

```

```

move_uploaded_file($_FILES["file"]["tmp_name"],"images/".$_FILES["file"]["name"]);
    echo "<h1>File Uploading Success</h1>";
}
else {
    print_r($err);
}
}
?>

```

9) **Write a PHP program to check whether given number is Armstrong or not.**

Program:

Armstrong.html:

```

<html>
  <head>
    <title>Armstrong Number</title>
  </head>
  <body>
    <center>
      <form action="Armstrong.php" method="get">
        Enter a Number:<input type="text" name="num"><br>
        <input type="submit" value="Submit">
      </form>
    </center>
  </body>
</html>

```

Armstrong.php:

```

<?php
$num=$_GET["num"];
$n=$num;
$arm=0;
while($n>0)
{
    $rem=$n%10;
    $arm+=$(rem*$rem*$rem);
    $n=$n/10;
}
if($arm==$num)
    echo "$num is an armstrong number";
else

```

```
        echo "$num is not an armstrong number";  
    ?>
```

10) Write a PHP program to find the given number is palindrome or not.

Program:

Palindrome.html:

```
<html>  
  <head>  
    <title>Palindrome</title>  
  </head>  
  <body>  
    <center>  
      <form action="Palindrome.php" method="get">  
        Enter a Number:<input type="text" name="num"><br>  
        <input type="submit" value="Submit">  
      </form>  
    </center>  
  </body>  
</html>
```

Palindrome.php:

```
<?php  
    $num=$_GET["num"];  
    $n=$num;  
    $rev=0;  
    while($n>1)  
    {  
        $rem=$n%10;  
        $rev=($rev*10)+$rem;  
        $n=(int)$n/10;  
    }  
    if($rev==$num)  
        echo "$num is a palindrome number";  
    else  
        echo "$num is not a palindrome number";  
    ?>
```

11) Write a PHP program to create a basic calculator.

Program:

Calculator.html:

```
<html>  
  <head>  
    <title>Calculator</title>
```

```

</head>
<body>
  <center>
    <h1>Calculator</h1>
    <form action="Calculator.php" method="post">
      <input type="text" name="v1" placeholder="Enter a value">
      <input type="text" name="v2" placeholder="Enter a value"><br><br>
      <input type="submit" value="+" name="add">
      <input type="submit" value="-" name="sub">
      <input type="submit" value="*" name="mul">
      <input type="submit" value="/" name="div">
      <input type="submit" value="%" name="mod">
    </form>
  </center>
</body>
</html>

```

Calculator.php:

```

<html>
<head> <title>Calculator</title> </head>
<body>
<center>
  <h1>Calculator</h1>
  <?php
    $x=$_POST['v1'];
    $y=$_POST['v2'];
    if(isset($_POST['add']))
    {
      echo "<h1> The result is ",$x+$y,"</h1>";
    }
    else if(isset($_POST['sub']))
    {
      echo "<h1> The result is ",$x-$y,"</h1>";
    }
    else if(isset($_POST['mul']))
    {
      echo "<h1> The result is ",$x*$y,"</h1>";
    }
    else if(isset($_POST['div']))
    {
      echo "<h1> The result is ",$x/$y,"</h1>";
    }
  }

```

```

    }
    else if(isset($_POST['mod']))
    {
        echo "<h1> The result is ",$x%$y,"</h1>";
    }
?>
</center>
</body>
</html>

```

12) Write a PHP program to change the background color of entire web page on clicking the button.

Program:

ColorChanger.php:

```

<html>
  <head>
    <title>Color Changer</title>
  </head>
  <?php
    if(isset($_POST["blue"]))
      echo "<body bgcolor=blue>";
    else if(isset($_POST["red"]))
      echo "<body bgcolor=red>";
    else if(isset($_POST["green"]))
      echo "<body bgcolor=green>";
    else
      "<body>";
  ?>
  <center>
<form action="" method="post">
<input style="background-color: blue; color: white;" type="submit" value="Blue"
name="blue">
<input style="background-color: red; color: white;" type="submit" value="Red"
name="red">
<input style="background-color: green; color: white;" type="submit" value="Green"
name="green">
</form>
</center>
</body>
</html>

```

OUTPUT:

