**NAMAN GARG B032 BTECH CS B**

**Program 8**

**PART-A**

**A.1 Aim:** Implement cookies in PHP,

Implement sessions in PHP

Implement number guess game with sessions

**A.2 Prerequisite:** HTML, CSS, Javascript, Basic programming language

**A.3 Outcome:**

After successful completion of this experiment students will be able to

1. Understand and implement PHP as server side code for form processing with sessions and cookies

**A.4 Theory:**

* Cookies are stored on the user’s browser, and are sent to the server on every relevant request
* The $\_COOKIE superglobal makes a cookie a key- value pairing

Store user information as a value with a known key

Never assume a cookie has been set. Always check with isset($\_COOKIE[$cookie\_name]) before trying to use the cookie’s value

* To set a cookie in PHP:

setcookie(name, value, expire, path, domain);

* Sessions store user data on the server

Limited only by server space

Cannot be modified by users

* Sessions are identified by a session id: often a small cookie!

Ex:

<?php session\_start();

if (isset($\_SESSION["count"])) {

$\_SESSION["count"] += 1;

echo "You\'ve visited here {$\_SESSION['count']} times";

}

else {

$\_SESSION["count"] = 1; echo "You\'ve visited once";

}

?>

* Call session\_start() at top of **every** page to start session
* Access data using the $\_SESSION superglobal, just like

$\_COOKIE, $\_GET, or $\_POST

* Remove an individual element of the $\_SESSION superglobal
* unset($\_SESSION[‘key\_name’]);
* Destroy the entire session, remove all data
* Use the function session\_destroy()

**PART B**

**(PART B: TO BE COMPLETED BY STUDENTS)**

**(Students must submit the soft copy as per following segments within two hours of the**

**practical. The soft copy must be uploaded on the Blackboard or emailed to the concerned**

**lab in charge faculties at the end of the practical in case the there is no Black board access**

**available)**

**B.1 Software Code written by student:**

**(Students must paste the code here)**

**Lab8\_Task\_1.html**

<!DOCTYPE html>

<html lang="en">

<head>

<title>Login Page</title>

</head>

<body>

<h1>Session Login</h1><hr>

</header>

<br>

<form name="myForm" action="http://localhost/Lab8\_Task\_1.php" method="post">

<table>

<tr>

<td>Username:</td>

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

</tr>

<tr>

<td>Password:</td>

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

</tr>

</table>

<input type="checkbox" name="rememberme" value="rememberme">Remember Me<br>

<input type="submit" name="login">

</form>

</body>

</html>

**welcome.php**

<?php

session\_start();

echo "Welcome ".$\_SESSION["username"];

$\_SESSION["mynum"]=rand(1, 10);

// $\_SESSION["mynum"]=3;

$\_SESSION["count"]--;

$c=$\_SESSION["count"];

echo "<h2>Number Game</h2>";

echo "You have total 3 attempts to guess the number [Between 1 & 10].<br><br>";

echo "Attempts left: $c";

echo '<form name="myGame" action="http://localhost/Lab8\_Task\_2.php" method="post">';

echo "Enter the number: ";

echo "<input type='number' name='num' id='num' autofocus required /><br>";

echo "<input type='submit' name='check'><br>";

echo "</form>";

?>

**Lab8\_Task****\_1.php**

<?php

$myname="myname";

$mypass="mypass";

if(isset($\_POST["login"]))

{

$user=$\_POST["username"];

$pass=$\_POST["password"];

if($myname==$user and $mypass==$pass)

{

if(isset($\_POST["rememberme"]))

{

$cookie\_exp = time()+60\*60\*24\*30;

setcookie("username", $user, $cookie\_exp);

}

session\_start();

$\_SESSION["username"]=$user;

$\_SESSION["count"]=4;

header("location:welcome.php");

}

else

{

echo "INVALID CREDENTIALS<br>";

echo "<a href='Lab8\_Task\_1.html'>Login</a>";

}

}

else

{

header("location:Lab8\_Task\_1.html");

}

?>

**Lab8\_Task\_2.php**

<?php

session\_start();

if($\_POST["num"]==$\_SESSION["mynum"]){

echo "Number was guessed correctly<br>";

}

else if($\_SESSION["count"]<=1){

echo "3 attempts over. Session destroyed.<br>" . $\_SESSION["mynum"] . " Was the number";

session\_destroy();

echo "<a href='Lab8\_Task\_1.html'>Login</a>";

}

else{

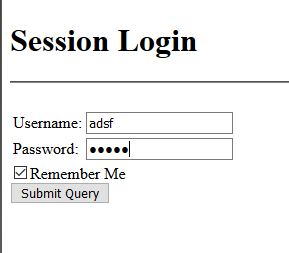
echo "Wrong guess. <a href='welcome.php'>Try again</a>";

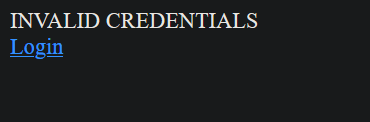
}

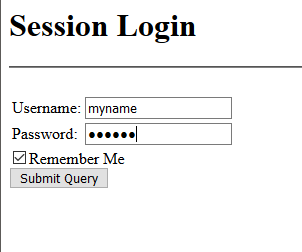
?>

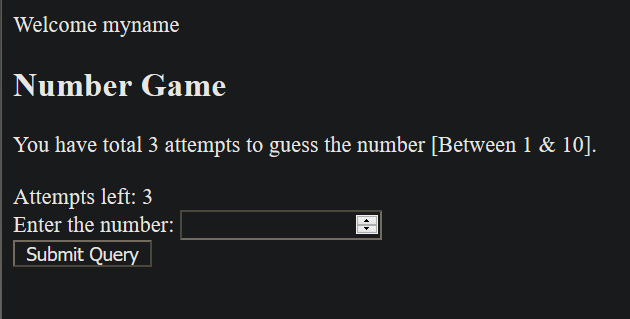
**B.2 Input and Output**

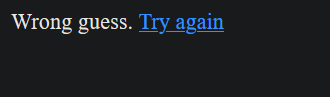
**(Students must paste input and output here)**

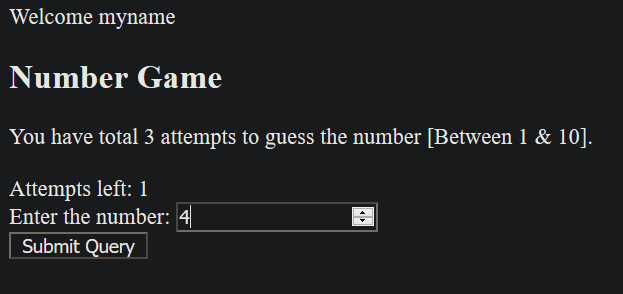
****

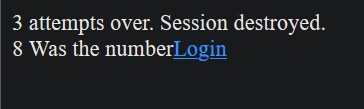
****

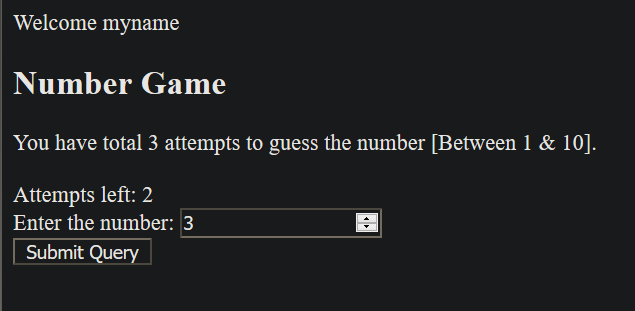
****

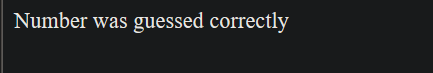
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**B.3. Observations and Learning**

Understood and implemented PHP as server-side code for form processing with sessions and cookies

**B.4. Conclusion**

Form processing and cookies can be used with PHP on the server side.