**Web Technology for bioinformatics**

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**Aim:**

To design a Quiz Generator application using PHP Cookies and deploy in the WAMP

Server

**Algorithm:**

1. Create a MySQL Database that stores Quiz questions along with answers .
2. Create a Login table storing the list of participants along with their password

information in the MySQL database

1. The username and password is procured for the authentication of the user.
2. Once authenticated, a cookie is set for the user, question number and score and the first question is displayed to the user.
3. The user can go to the next question by clicking submit or logout.
4. One question appears at a time along with the score. The cookie set for the question and score are updated at the end of each question.
5. Finally, at the end of the quiz, the total score is displayed.

**Program:**

**The code below is written in a PHP file (login.php):**

**<!DOCTYPE html>**

**<html>**

**<head>**

**<title>Login form</title>**

**</head>**

**<body>**

**<center><h1>Welcome to Bioinformatics Quiz</h1></center>**

**<form method="POST" action="usercheck.php">**

**<table align="center">**

**<tr>**

**<th align="right">**

**Username:**

**</th>**

**<td>**

**<input type = "text" name = "user" placeholder = "regno">**

**</td>**

**<tr>**

**<th align="right">**

**Password:**

**</th>**

**<td>**

**<input type=password name="pwd" placeholder = 'password'>**

**</td>**

**</tr>**

**<tr>**

**<td colspan="2" align = "center">**

**<?php**

**echo "<style>**

**h4{**

**background-color : red;**

**}**

**</style>";**

**if (isset($\_GET['value']))**

**{**

**echo "<h4>Invalide user id or password </h4>";**

**}**

**?>**

**</td>**

**</tr>**

**<tr>**

**<td colspan="2" align="center">**

**<input type=submit name=submit value="Log in">**

**</td>**

**</tr>**

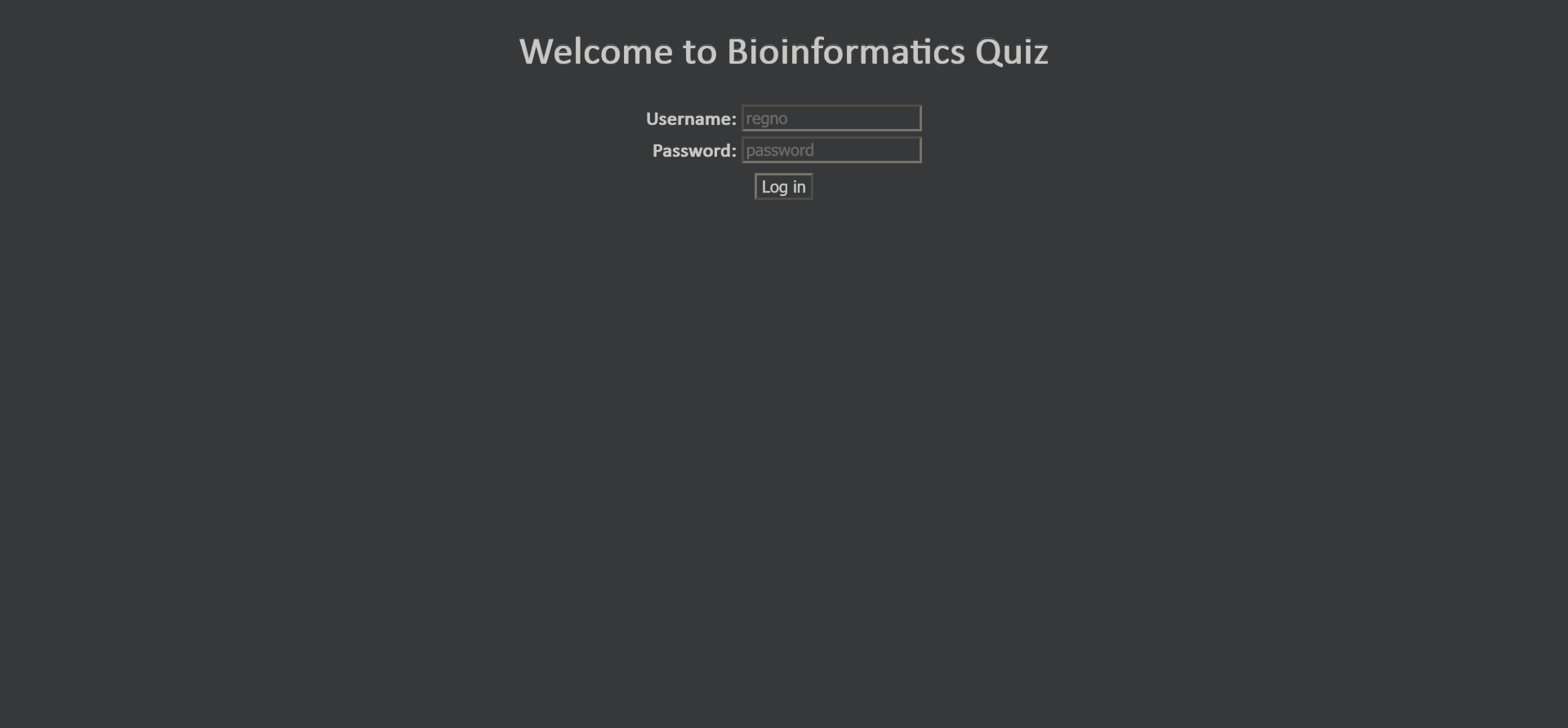
**</table>**

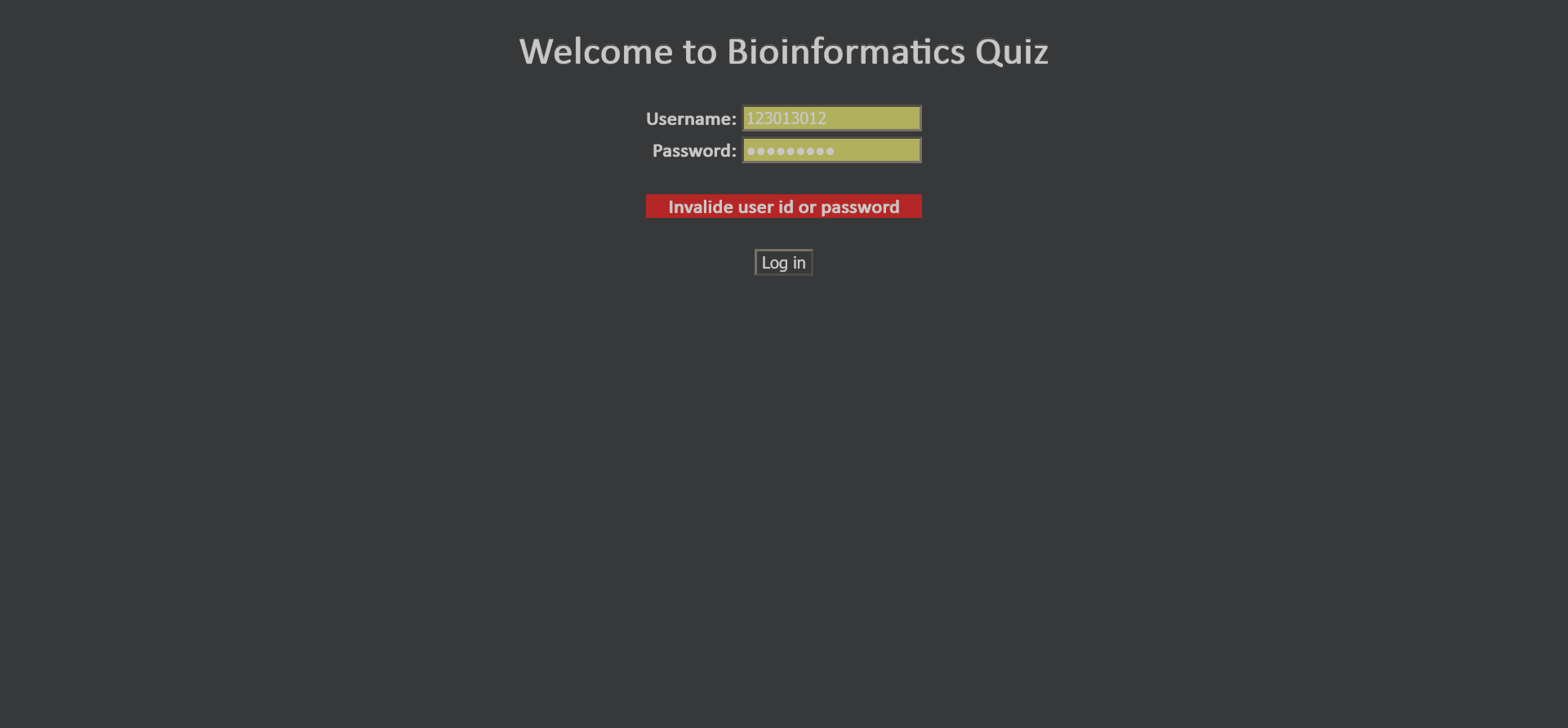
**</form>**

**</body>**

**</html>**

**Output of php file:**

****

****

**The code below is written in a php file(usercheck.php):**

**<?php**

**/\***

**Author : Dharineesh K S**

**Regno : 123013012**

**\*/**

**echo "**

**<html> <head>**

**<title>Forms</title>**

**</head> ";**

**if(isset($\_POST["pwd"]))**

**{**

**$uid= $\_POST["user"];**

**$pwd= $\_POST["pwd"];**

**$connection = mysqli\_connect("localhost","root","")or die(mysql\_error());**

**mysqli\_select\_db($connection,"quiz")or die(mysql\_error());**

**$sql="select \* from student where sid='$uid' and pwd='$pwd'";**

**$query = mysqli\_query($connection,$sql) or die(mysql\_error());**

**$num = mysqli\_num\_rows($query);**

**echo "<body>";**

**if($num==1)**

**{**

**setcookie("user",$uid,time()+7200);**

**setcookie("qn",1,time()+7200);**

**setcookie("score",0,time()+7200);**

**header("location:showqn.php");**

**}**

**else**

**{**

**header("location:login.php?value='Invalide'");**

**}**

**}**

**echo"</body>";**

**echo"</html>";**

**?>**

**The code below is written in a php file (showqn.php):**

**<?php**

**error\_reporting(0);**

**echo "**

**<html>**

**<head>**

**<title>Questions</title>**

**<style type=\"text/css\">**

**body {**

**font-family: \"Times New Roman\";**

**}**

**</style>**

**</head> ";**

**echo "<body>";**

**echo "<p align=right><a href='logout.php'> Click here to log out</a></p>";**

**$user = $\_COOKIE['user'];**

**$connection = mysqli\_connect("localhost","root","")or die(mysql\_error());**

**mysqli\_select\_db($connection,"quiz")or die(mysql\_error());**

**if(isset($user))**

**{**

**$qno = $\_COOKIE['qn'];**

**$qno\_ref2 = $qno-1;**

**$score = $\_COOKIE['score'];**

**echo "Welcome to Quiz: $user <br>";**

**if($\_POST['submit']) // checking submit button is clicked**

**{**

**$stud\_ans = $\_POST['r1']; // ans submited by student**

**$sql1 = "select \* from questions limit $qno\_ref2,1";**

**$query = mysqli\_query($connection,$sql1);**

**$rows = mysqli\_fetch\_array($query);**

**$db\_crt\_ans = $rows['ans'];**

**if ($db\_crt\_ans == $stud\_ans) // crt ans**

**{**

**$score += 1;**

**$sql = "select \* from questions limit $qno,1";**

**$query = mysqli\_query($connection,$sql);**

**echo "<form method=POST action='showqn.php'>";**

**while ($row = mysqli\_fetch\_array($query))**

**{**

**$qno = $row['qno'];**

**$ques = $row['ques'];**

**$c1 = $row['c1'];**

**$c2 = $row['c2'];**

**$c3 = $row['c3'];**

**$c4 = $row['c4'];**

**echo "<b>$qno '.' $ques</b><br>";**

**echo "<input type=radio name=r1 value=$c1>$c1<br>";**

**echo "<input type=radio name=r1 value=$c2>$c2<br>";**

**echo "<input type=radio name=r1 value=$c3>$c3<br>";**

**echo "<input type=radio name=r1 value=$c4>$c4<br>";**

**$qno += 1;**

**setcookie("qn",$qno,time()+7200);**

**setcookie("score",$score,time()+7200);**

**}**

**echo "</form>";**

**}**

**else**

**{**

**# wrong ans**

**$score = $\_COOKIE['score'];**

**$sql = "select \* from questions limit $qno,1";**

**$query = mysqli\_query($connection,$sql);**

**echo "<form method=POST action='showqn.php'>";**

**while ($row = mysqli\_fetch\_array($query))**

**{**

**$qno = $row['qno'];**

**$ques = $row['ques'];**

**$c1 = $row['c1'];**

**$c2 = $row['c2'];**

**$c3 = $row['c3'];**

**$c4 = $row['c4'];**

**echo "<b>$qno '.' $ques</b><br>";**

**echo "<input type=radio name=r1 value=$c1>$c1<br>";**

**echo "<input type=radio name=r1 value=$c2>$c2<br>";**

**echo "<input type=radio name=r1 value=$c3>$c3<br>";**

**echo "<input type=radio name=r1 value=$c4>$c4<br>";**

**$qno += 1;**

**}**

**echo "</form>";**

**}**

**}**

**else**

**{**

**$sql1 = "select \* from questions limit $qno\_ref2,1";**

**$query = mysqli\_query($connection,$sql1);**

**echo "<form method='POST' action='showqn.php?'>";**

**while ($row = mysqli\_fetch\_array($query))**

**{**

**$qno = $row['qno'];**

**$ques = $row['ques'];**

**$c1 = $row['c1'];**

**$c2 = $row['c2'];**

**$c3 = $row['c3'];**

**$c4 = $row['c4'];**

**echo "<b>$qno '.' $ques</b><br>";**

**echo "<input type='radio' name='r1' value=$c1>$c1<br>";**

**echo "<input type='radio' name='r1' value=$c2>$c2<br>";**

**echo "<input type='radio' name='r1' value=$c3>$c3<br>";**

**echo "<input type='radio' name='r1' value=$c4>$c4<br>";**

**$qno += 1;**

**setcookie("qn",$qno,time()+7200);**

**setcookie("score",$score,time()+7200);**

**}**

**echo "<br />";**

**echo "<input type='submit' name='submit' value='submit'>";**

**echo "</form>";**

**}**

**}**

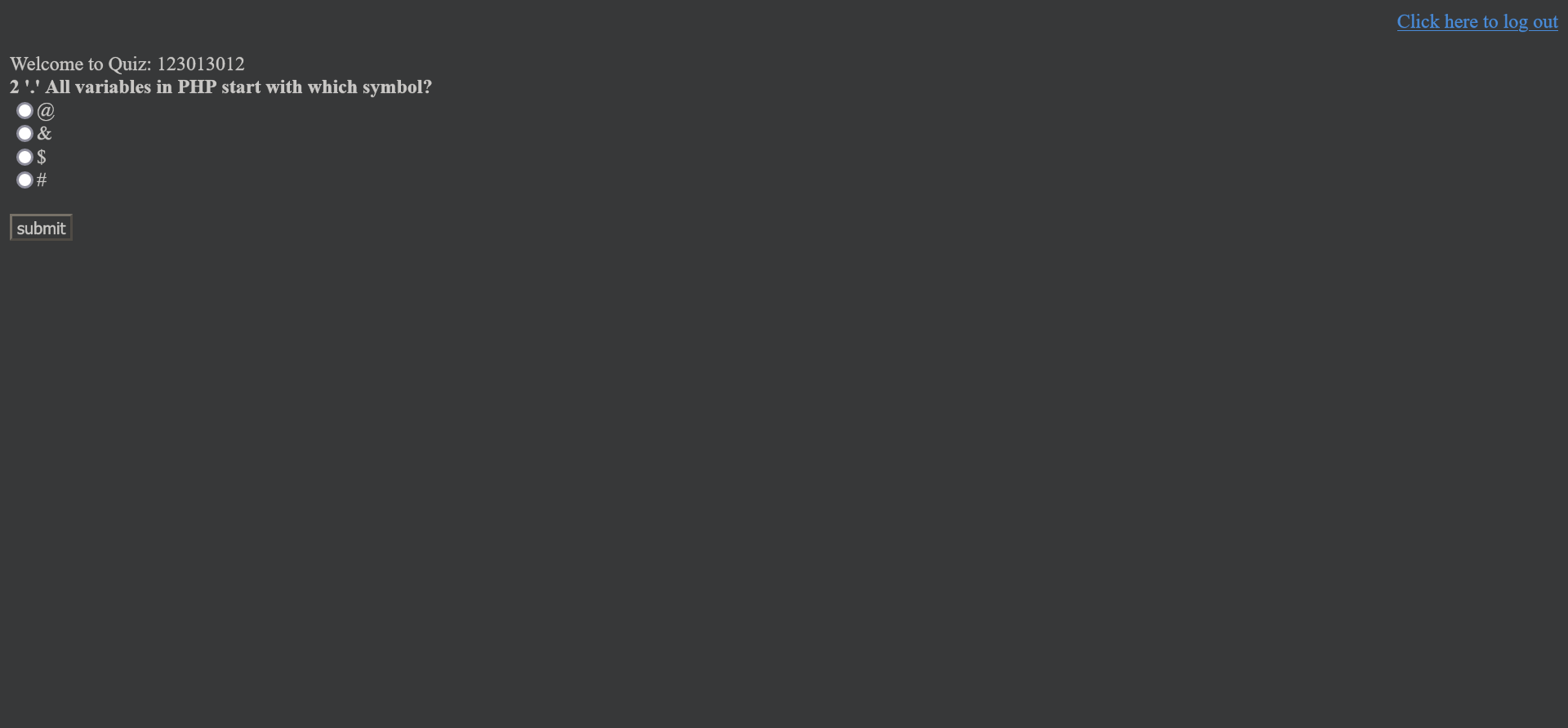
**echo"</body>";**

**echo"</html>";**

**?>**

**Output of php file (showqn.php):**

****

****

**The code below is written in a php file (logout.php):**

**<?php**

**setcookie("user",time()-7200);**

**setcookie("qn",time()-7200);**

**setcookie("score",time()-7200);**

**header("location:login.php")**

**?>**

**Result:**

The given task is successfully executed.