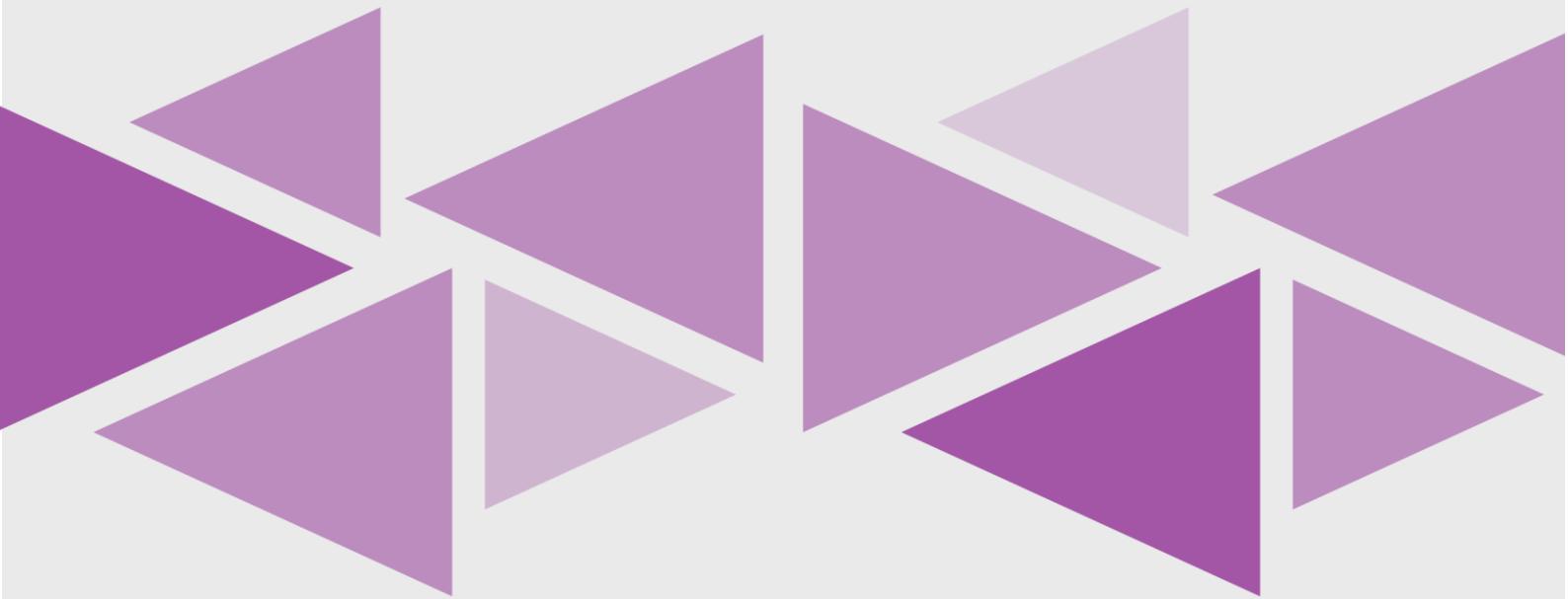


2021

# QUIZONYMOUS

## THE QUIZZING SITE



SUBMITTED BY:

PRANAV CHANDAR. KR  
2019103046

PRASHANTH. S  
2019103556

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## Introduction:

Our website extends a great quizzing experience with 4 widespread domains namely Aptitude, Data Structures, Database Management Systems and Operating Systems. We support users to create an account with us. We maintain high security of user's credentials by storing their passwords in HASHED FORM in our database (which even the developer could not see). Users can login and start playing without any delay at any time. Users can attempt 3 different difficulty levels (easy, medium and hard) of the aforementioned domains in TIMER-CONTROLLED sessions. If time for a particular test expires, the attempted questions will be submitted automatically and get stored in our database. Users can view and compare their progress with our dynamic LEADERBOARD designed to show the top 10 performers from all domains. Apart from that users are provided with CREDIT POINTS on a regular basis according to their daily-login activity. Users can view their credit scores anytime by looking into their PROFILE.

Front end: **HTML 5, CSS 3, BOOTSTRAP 4, JAVASCRIPT**

Back end: **PHP**

Database: **MySQL (version 8.0)**

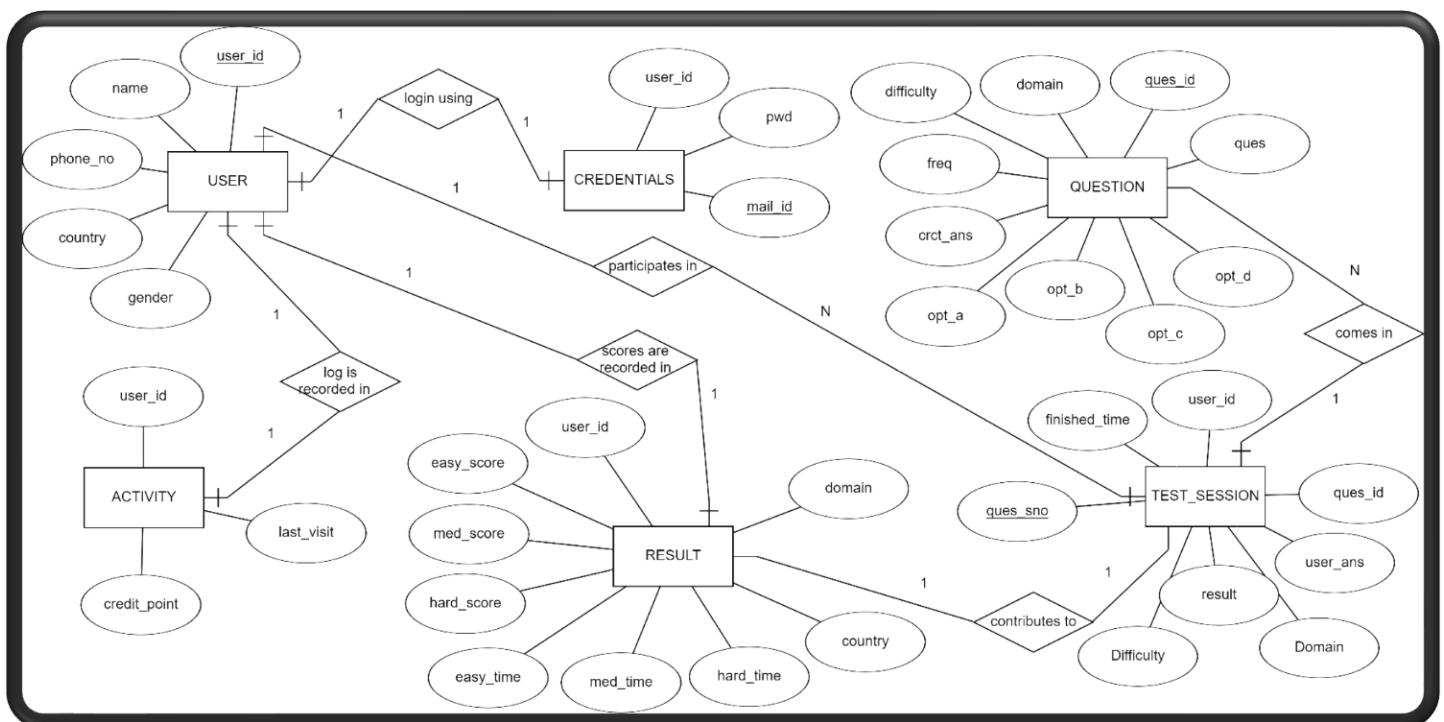
## Functional Requirements:

- To login/signup.
- To attempt a quiz and get its result.
- To view the progress (Leaderboard).
- To view the self-profile.
- Awarding credit points to users for daily-login.
- Setting up Timer to implement time constraints for quiz.

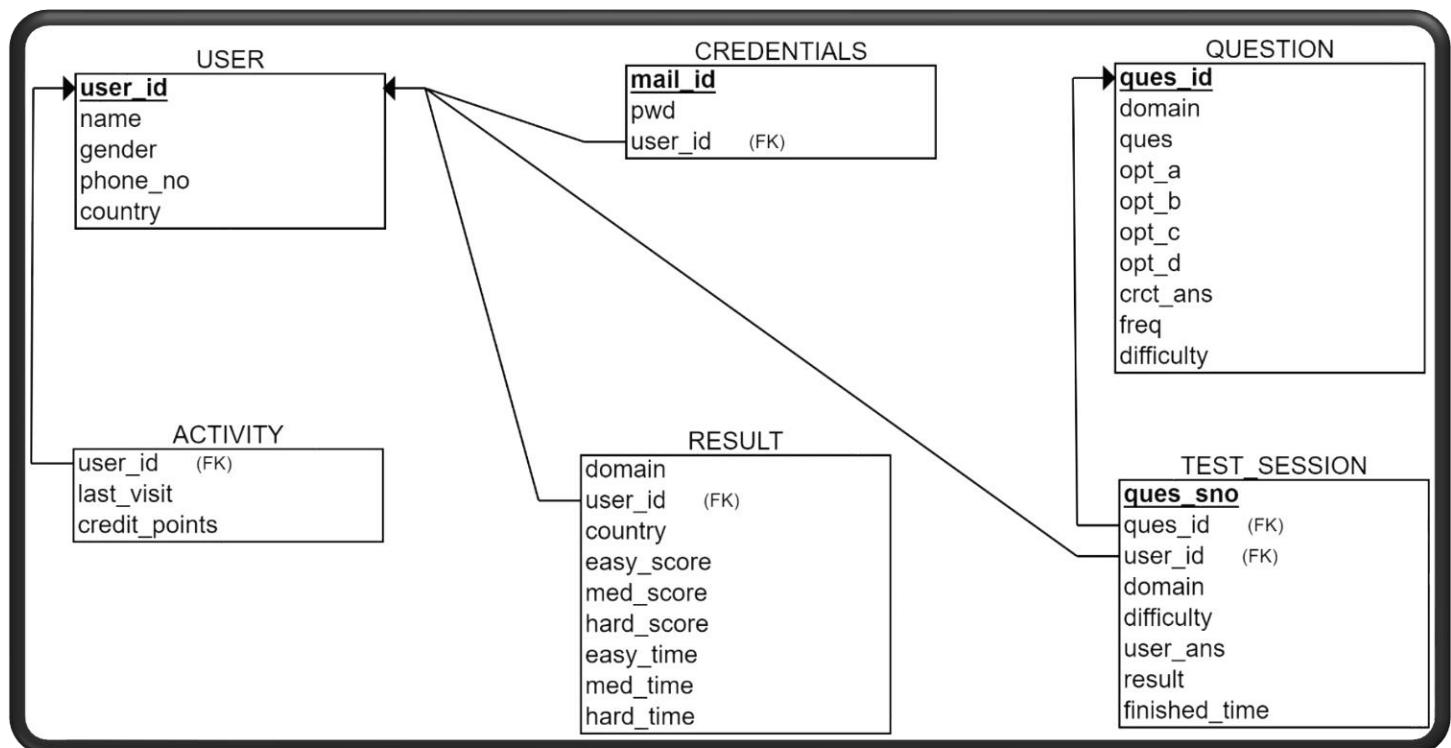
## Non-functional Requirements:

- Hashing the passwords of users for security reasons.
- 2-step verification using E-mail generated OTP system.
- Easily navigating through different webpages.

## Entity Relationship Diagram:



## Relational Schema Design:



## Setting up Relations: (CONSIDERING NORMALIZATION)

### USER TABLE

#### ATTRIBUTES:

- U\_ID (PRIMARY KEY)
- NAME
- PHONE NUMBER
- COUNTRY
- GENDER

ALL ATTRIBUTES ARE NON-TRANSITIVELY DETERMINED BY ITS PRIMARY KEY (SUPER KEY) U\_ID

**U\_ID -> NAME, PHONE NUMBER, COUNTRY, GENDER**

THEREFORE, IT IS BOYCE-CODD NORMALIZED.

### ACTIVITY TABLE

#### ATTRIBUTES:

- U\_ID (FK)
- CREDIT PTS
- LAST VISIT

ALL ATTRIBUTES ARE NON-TRANSITIVELY DETERMINED BY ITS SUPER KEY U\_ID

**U\_ID -> CREDIT PTS, LAST VISIT**

THEREFORE, IT IS BOYCE-CODD NORMALIZED.

 CREDENTIALS TABLE**ATTRIBUTES:**

- U\_ID (FK)
- MAIL
- PASSWORD

ALL ATTRIBUTES ARE NON-TRANSITIVELY DETERMINED BY ITS SUPER KEY U\_ID

**U\_ID -> MAIL, PASSWORD**

THEREFORE, IT IS BOYCE-CODD NORMALIZED.

 RESULT TABLE**ATTRIBUTES:**

- U\_ID (FK)
- DOMAIN
- COUNTRY
- EASY\_SCORE
- EASY\_TIME
- MEDIUM\_SCORE
- MEDIUM\_TIME
- HARD\_SCORE
- HARD\_TIME

ALL ATTRIBUTES ARE NON-TRANSITIVELY DETERMINED BY ITS PRIMARY KEY  
(SUPER KEY) U\_ID, DOMAIN

**U\_ID,DOMAIN -> COUNTRY, EASY\_SCORE, MEDIUM\_SCORE, HARD\_SCORE,  
EASY\_TIME, MEDIUM\_TIME, HARD\_TIME**

THEREFORE, IT IS BOYCE-CODD NORMALIZED.

 **QUESTION TABLE****ATTRIBUTES:**

- QUES\_ID (PRIMARY KEY)
- DOMAIN
- DIFFICULTY
- QUESTION
- OPTION A
- OPTION B
- OPTION C
- OPTION D
- CORRECT ANSWER
- FREQUENCY

ALL ATTRIBUTES ARE NON-TRANSITIVELY DETERMINED BY ITS PRIMARY KEY (SUPER KEY) QUES\_ID

**QUES\_ID -> DOMAIN, DIFFICULTY, QUESTION, OPTION A, OPTION B, OPTION C, OPTION D, CORRECT ANSWER, FREQUENCY**

THEREFORE, IT IS BOYCE-CODD NORMALIZED.

 **SESSION TABLE****ATTRIBUTES:**

- QUES\_SNO (PRIMARY KEY)
- USER\_ID (FK)
- QUES\_ID (FK)
- USER\_ANS
- RESULT
- FINISHED\_TIME

- DOMAIN
- DIFFICULTY

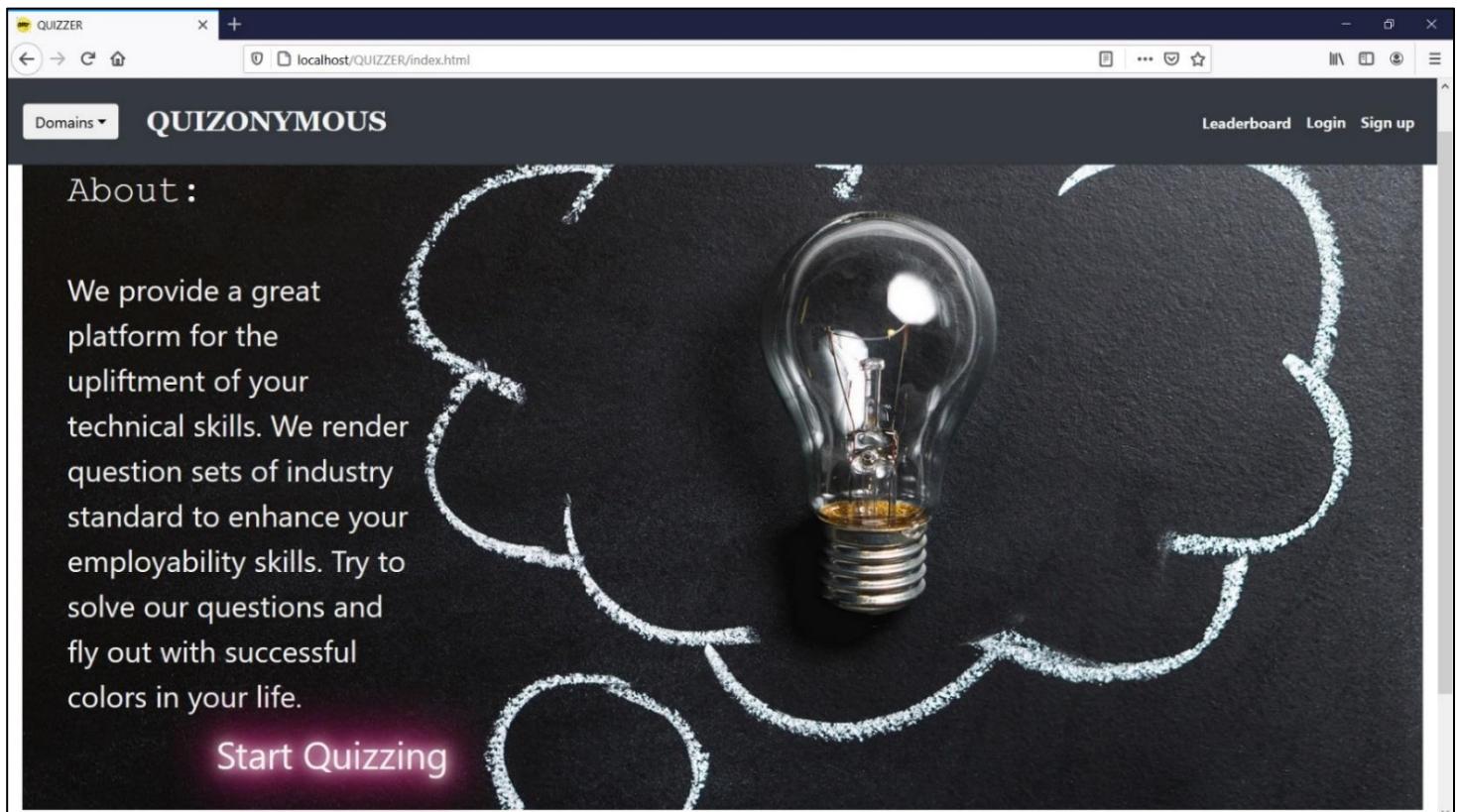
ALL ATTRIBUTES ARE NON-TRANSITIVELY DETERMINED BY ITS PRIMARY KEY  
(SUPER KEY) QUES\_SNO

**QUES\_SNO -> USER\_ID, QUES\_ID, USER\_ANS, RESULT, FINISHED\_TIME,  
DOMAIN, DIFFICULTY**

THEREFORE, IT IS BOYCE-CODD NORMALIZED.

## User Interface design:

### Home page:



**QUIZONOMOUS**

QUIZONOMOUS is here to gear up your knowledge for the placement of your dream company. We render question sets of industry standard to enhance your employability skills. Try to solve our questions and fly out with successful colors in your life.

**Start Quizzing**

**Services**

- Web library
- Books
- Online materials

**About**

- Company
- Contact us
- Read more

**Leaderboard** [Login](#) [Sign up](#)

[f](#) [t](#) [s](#) [ig](#)

Quizonymous © 2021

## Login page:

**QUIZONOMOUS**

Gear up your knowledge with us !!

Username:

Password:

**Login**

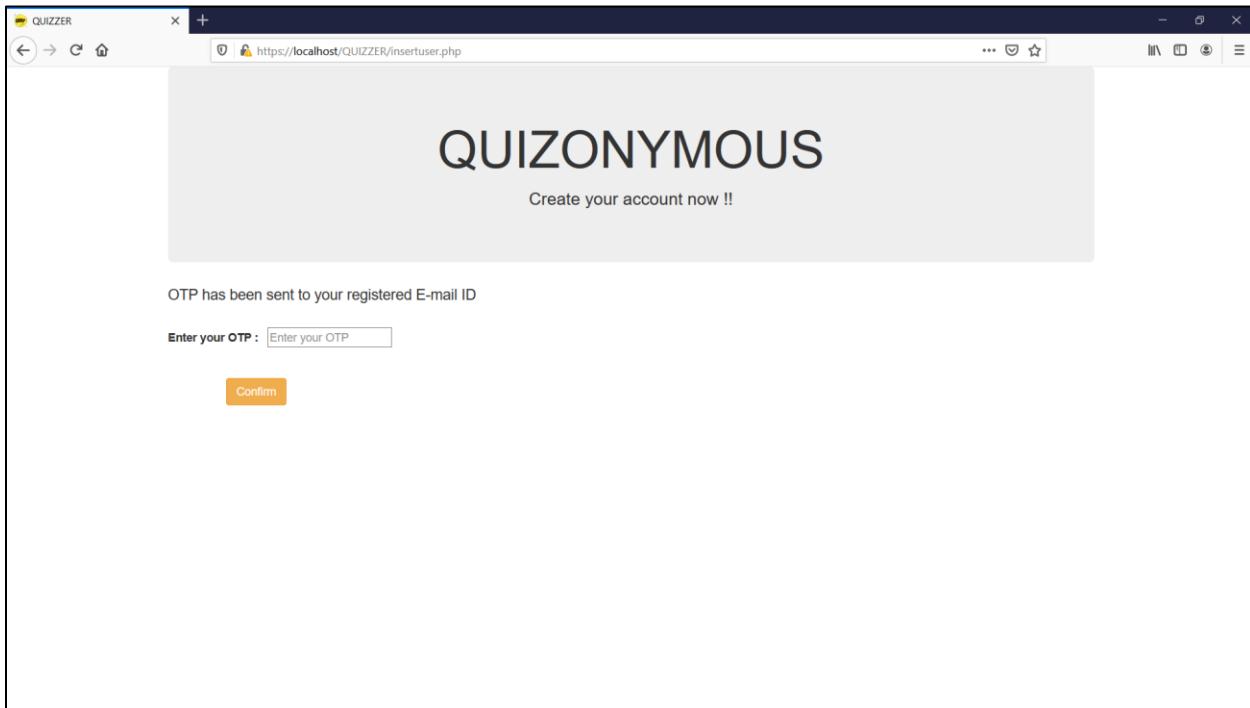
Not an existing user? [Click here to create an account](#)

## Sign up page:

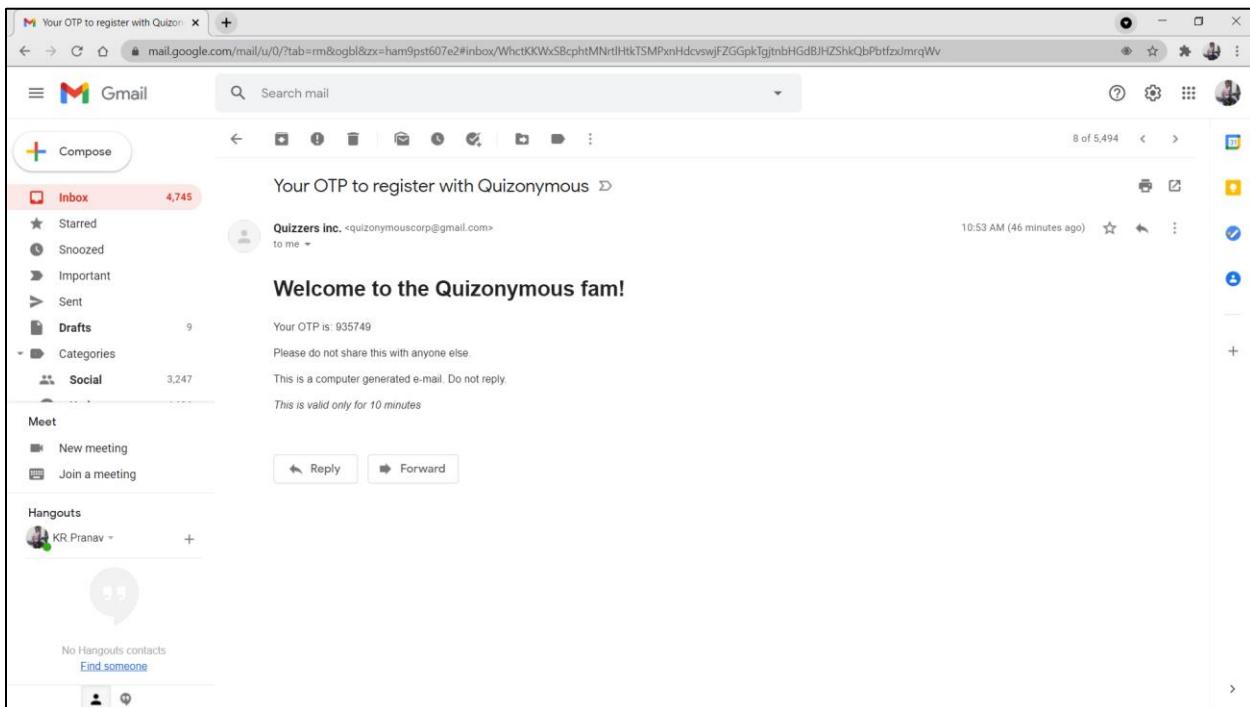
The screenshot shows a web browser window titled "QUIZZER" displaying the sign-up page for "QUIZONYMOUS". The page has a header with the text "QUIZONYMOUS" and "Create your account now !!". Below the header are several input fields: "Name" (text input), "Gender" (dropdown menu set to "Male"), "Country" (dropdown menu set to "Afghanistan", with a visible dropdown list showing other countries like Hungary, Iceland, India, Indonesia, Iran, Iraq, Ireland, Israel, Italy, Jamaica, Japan, Jordan, Kazakhstan, Kenya, Kiribati, and North Korea), "Phone Number" (text input), "Username" (text input), "Password" (text input), and "Retype Password" (text input). A green "Register" button is at the bottom left, and a link "Already a user? Click here to Login now" is at the bottom right.

This screenshot is identical to the one above, but the "Country" dropdown menu is currently open, displaying a list of countries with their respective flags. The list includes: Hungary, Iceland, India, Indonesia, Iran, Islamic Republic of, Iraq, Ireland, Israel, Italy, Jamaica, Japan, Jordan, Kazakhstan, Kenya, Kiribati, and North Korea.

## 2 – step verification using E-mail generated OTP system:



## MAIL GENERATED:



## Quiz demo:

A screenshot of a web browser window titled "Aptitude - Level 1 (EASY)". The page displays a timer at the top center showing "2:38". Below the timer is a question: "1. Two trains running in opposite directions cross a man standing on the platform in 27 seconds and 17 seconds respectively and they cross each other in 23 seconds. The ratio of their speeds is:". There are four options with radio buttons: "1 : 3" (unchecked), "3 : 2" (checked), "3 : 4" (unchecked), and "None of these" (unchecked). Below this is another question: "2. The banker's gain on a sum due 3 years hence at 12% per annum is Rs. 270. The banker's discount is:". There are four options with radio buttons: "Rs. 960" (unchecked), "Rs. 840" (unchecked), "Rs. 1020" (checked), and "Rs. 760" (unchecked).

## Result display:

A screenshot of a web browser window titled "Test\_Submission". The page displays a message: "Congratulations !! Your test score is : 24". At the bottom of the page, there is a message: "You will be automatically redirected to HOME page in 5 seconds.."

## Viewing the leaderboard:

QUIZONYMOUS  
LEADER BOARD WITH TOP 10 PERFORMERS !!

RANK #	USERNAME	COUNTRY	EASY SCORE [ /10 ]	MEDIUM SCORE [ /20 ]	HARD SCORE [ /30 ]
1	Kallash	IN	10	0	24
2	vaanmathi	KP	0	8	15
3	prashanth	NG	6	10	0
4	sanjeev	CN	6	6	0
5	shafeeq	ET	4	6	0
6	chandnl	KH	4	4	0
7	pranav chandar	DE	8	0	0
8	Ajithesh	BD	4	0	0
9	-	-	-	-	-
10	-	-	-	-	-

Click [here](#) to go back to HOME page

## Viewing current user's profile:

QUIZONYMOUS  
VIEW YOUR PROFILE !!



PROFILE

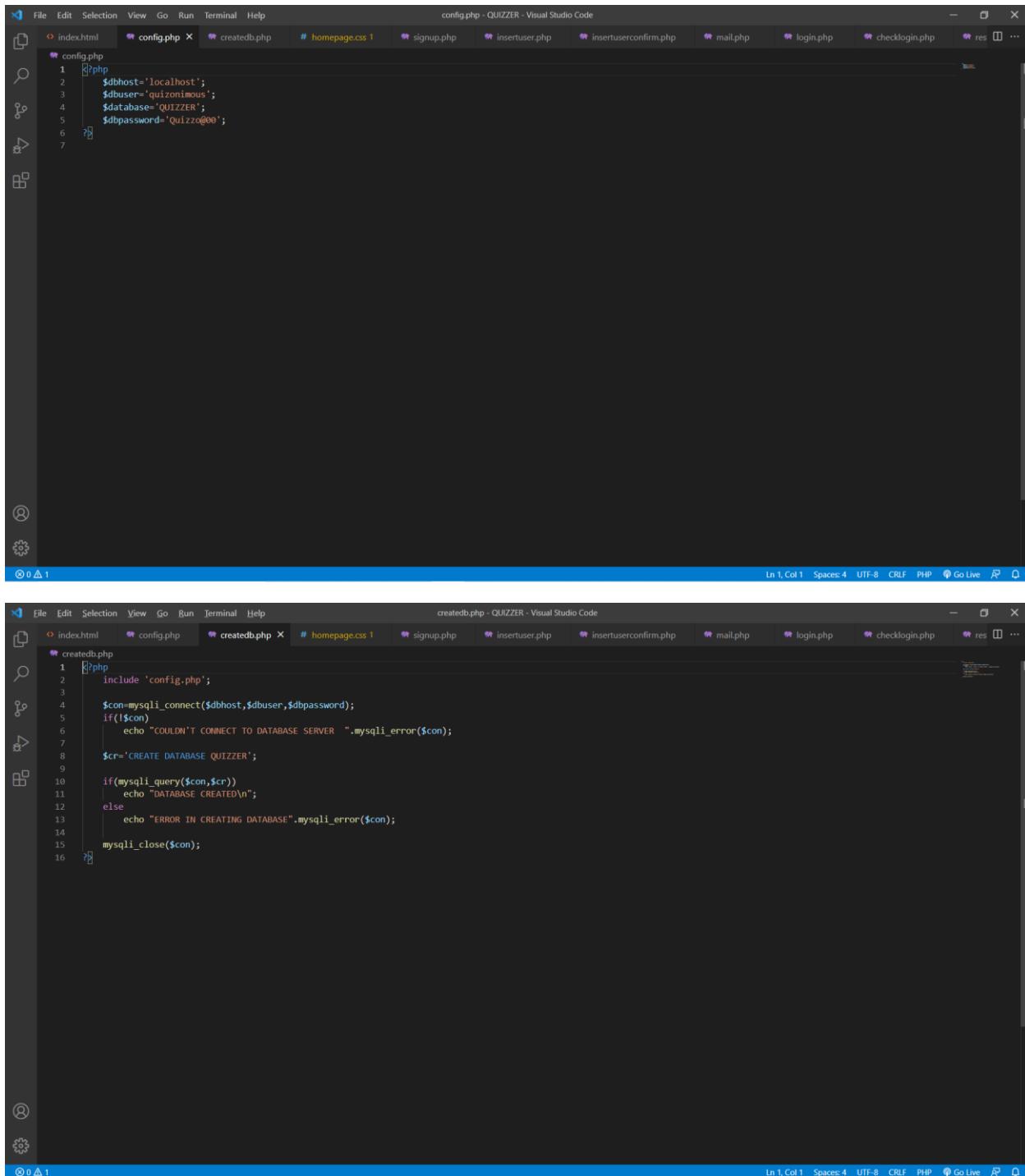
Name	Kallash
Gender	M
E-mail ID	kallash@yahoo.com
Mobile Number	8800206569
Country	IN
Credit Points	1

[Logout](#)

Click [here](#) to go back to HOME page

## Implementation:

### 1. Creating and connecting to database:



The image shows two side-by-side instances of Visual Studio Code. Both instances have a dark theme and are displaying PHP code.

**Top Window (config.php):**

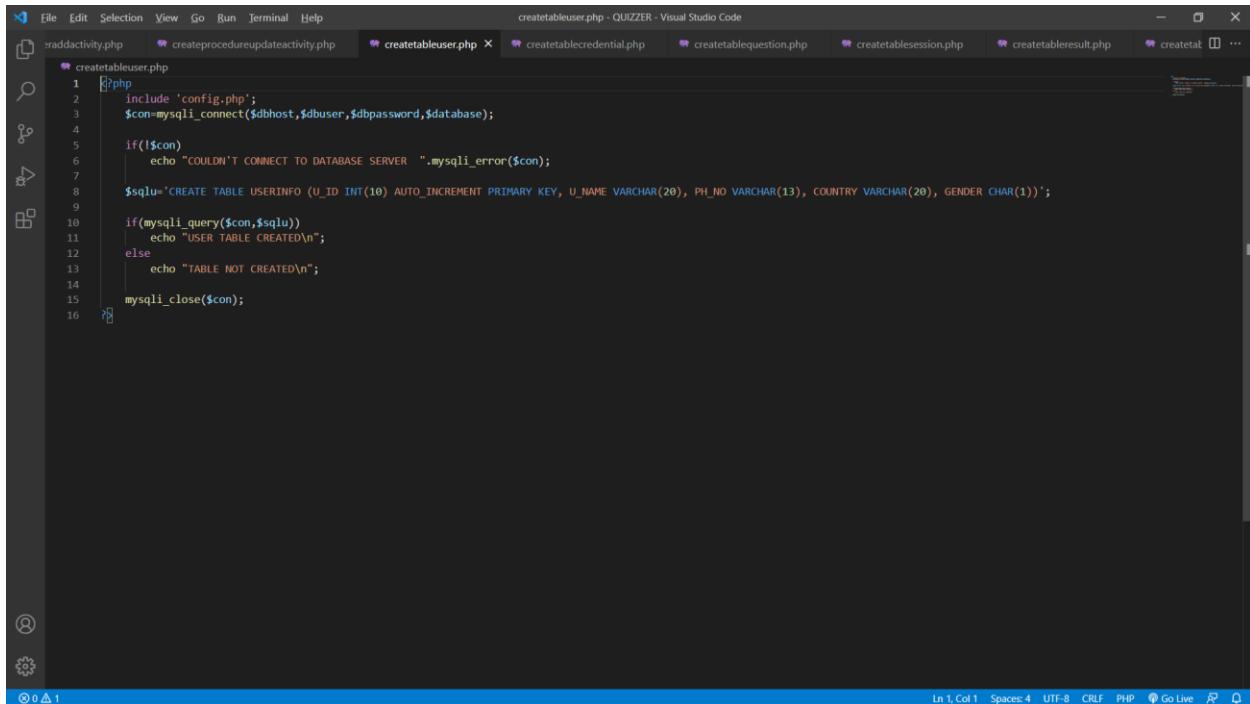
```
1 <?php
2 $dbhost='localhost';
3 $dbuser='quizonimous';
4 $database='QUIZZER';
5 $dbpassword='Quizzzo@00';
6 ?>
```

**Bottom Window (createdb.php):**

```
1 <?php
2 include 'config.php';
3
4 $con=mysqli_connect($dbhost,$dbuser,$dbpassword);
5 if(!$con)
6     echo "COULDN'T CONNECT TO DATABASE SERVER ".mysqli_error($con);
7
8 $cr='CREATE DATABASE QUIZZER';
9
10 if(mysqli_query($con,$cr))
11     echo "DATABASE CREATED\n";
12 else
13     echo "ERROR IN CREATING DATABASE".mysqli_error($con);
14
15 mysqli_close($con);
16 ?>
```

## 2. Table creation:

### User table:

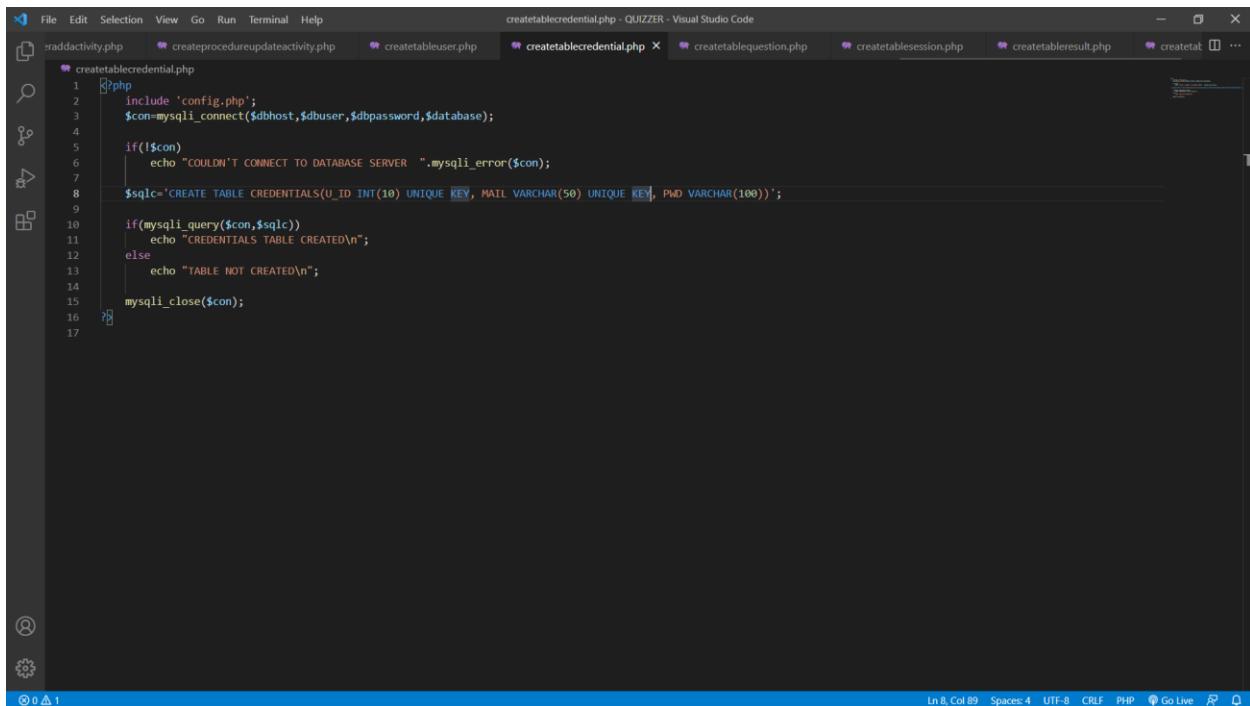


```

File Edit Selection View Go Run Terminal Help
createableuser.php - QUIZZER - Visual Studio Code
createableuser.php | createprocedureupdateactivity.php | createableuser.php | createablecredential.php | createablequestion.php | createablesession.php | createableresult.php | createtable...
1 <?php
2     include 'config.php';
3     $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
4
5     if(!$con)
6         echo "COULDN'T CONNECT TO DATABASE SERVER ".mysqli_error($con);
7
8     $sqlu='CREATE TABLE USERINFO (U_ID INT(10) AUTO_INCREMENT PRIMARY KEY, U_NAME VARCHAR(20), PH_NO VARCHAR(13), COUNTRY VARCHAR(20), GENDER CHAR(1))';
9
10    if(mysqli_query($con,$sqlu))
11        echo "USER TABLE CREATED\n";
12    else
13        echo "TABLE NOT CREATED\n";
14
15    mysqli_close($con);
16 ?>
Ln 1, Col 1  Spaces: 4  UTF-8  CRLF  PHP  Go Live  ⚡  🔍

```

### Credentials table:

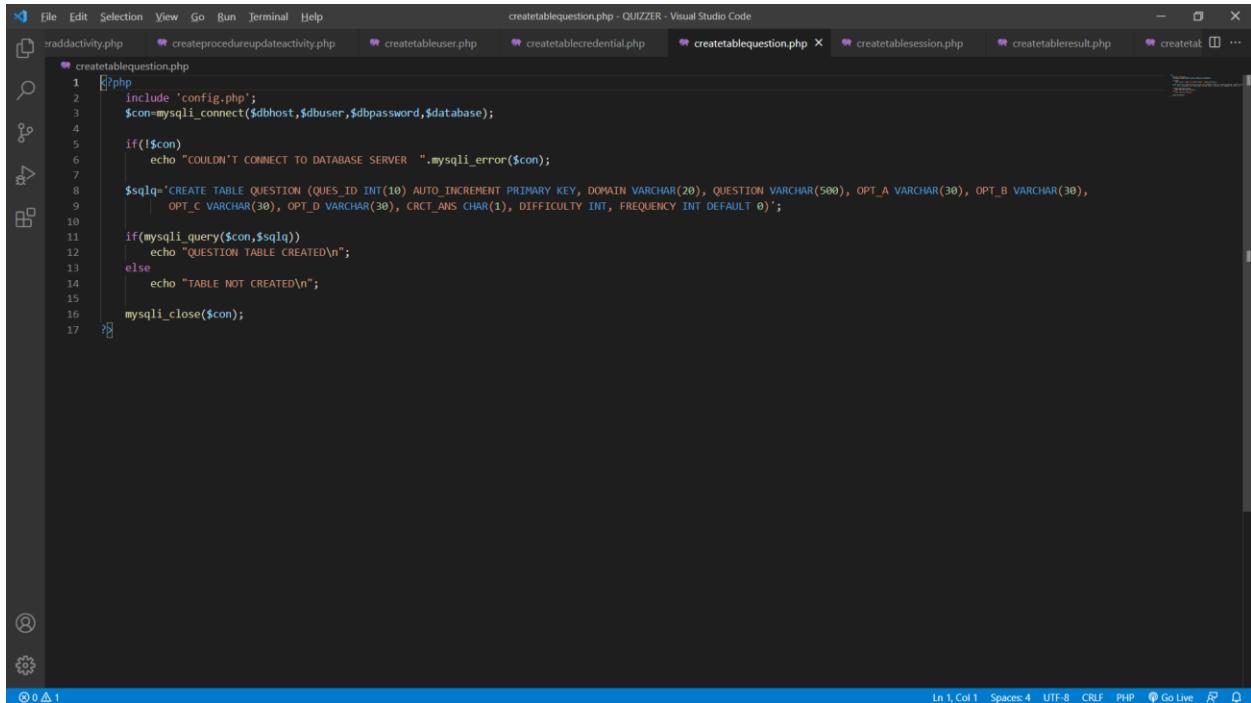


```

File Edit Selection View Go Run Terminal Help
createablecredential.php - QUIZZER - Visual Studio Code
createablecredential.php | createprocedureupdateactivity.php | createableuser.php | createablecredential.php | createablequestion.php | createablesession.php | createableresult.php | createtable...
1 <?php
2     include 'config.php';
3     $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
4
5     if(!$con)
6         echo "COULDN'T CONNECT TO DATABASE SERVER ".mysqli_error($con);
7
8     $sqlc='CREATE TABLE CREDENTIALS(U_ID INT(10) UNIQUE KEY, MAIL VARCHAR(50) UNIQUE KEY, PWD VARCHAR(100))';
9
10    if(mysqli_query($con,$sqlc))
11        echo "CREDENTIALS TABLE CREATED\n";
12    else
13        echo "TABLE NOT CREATED\n";
14
15    mysqli_close($con);
16 ?>
Ln 8, Col 89  Spaces: 4  UTF-8  CRLF  PHP  Go Live  ⚡  🔍

```

## Questions table:



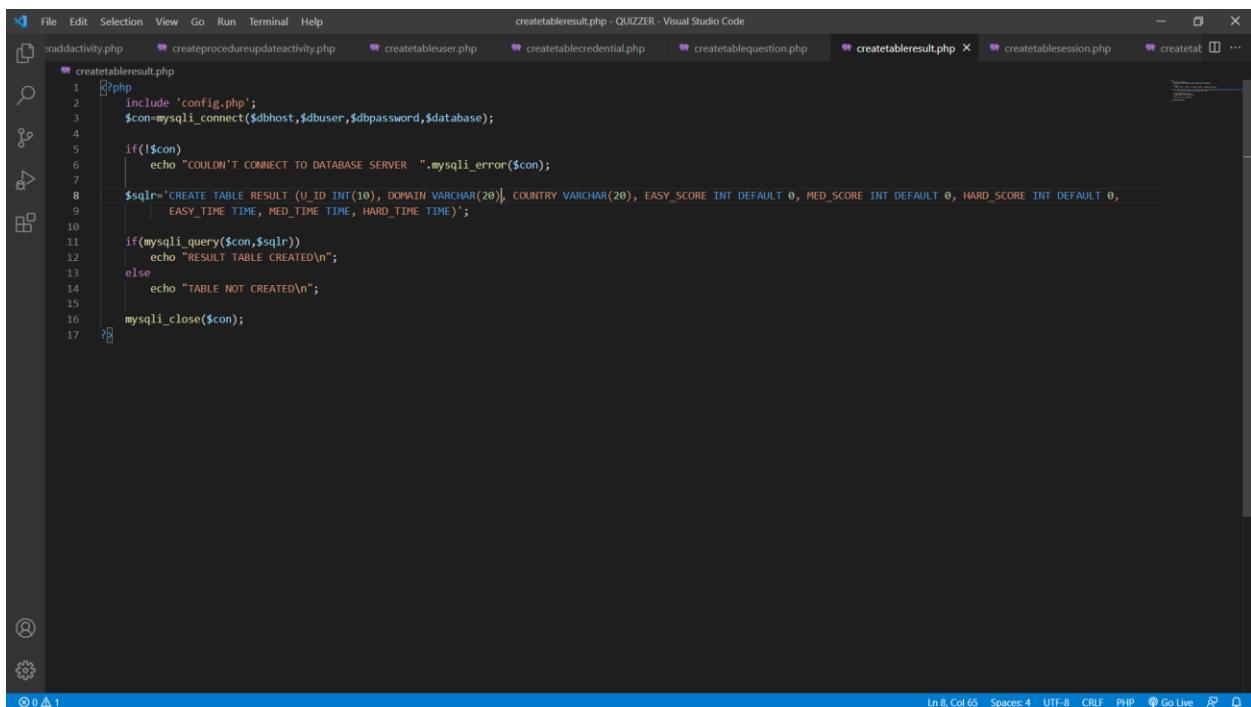
```

File Edit Selection View Go Run Terminal Help
createactivity.php createprocedureupdateactivity.php createableuser.php createablecredential.php createablequestion.php X createablesession.php createableresult.php createatal ...
1 <?php
2     include 'config.php';
3     $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
4
5     if(!$con)
6         echo "COULDN'T CONNECT TO DATABASE SERVER ".mysqli_error($con);
7
8     $sqlq="CREATE TABLE QUESTION (QUES_ID INT(10) AUTO_INCREMENT PRIMARY KEY, DOMAIN VARCHAR(20), QUESTION VARCHAR(500), OPT_A VARCHAR(30), OPT_B VARCHAR(30),
9             OPT_C VARCHAR(30), OPT_D VARCHAR(30), CRCT_ANS CHAR(1), DIFFICULTY INT, FREQUENCY INT DEFAULT 0)";
10
11    if(mysqli_query($con,$sqlq))
12        echo "QUESTION TABLE CREATED\n";
13    else
14        echo "TABLE NOT CREATED\n";
15
16    mysqli_close($con);
17 ?>

```

Ln 1, Col 1 Spaces: 4 UTF-8 CRLF PHP Go Live ⚡

## Result table:



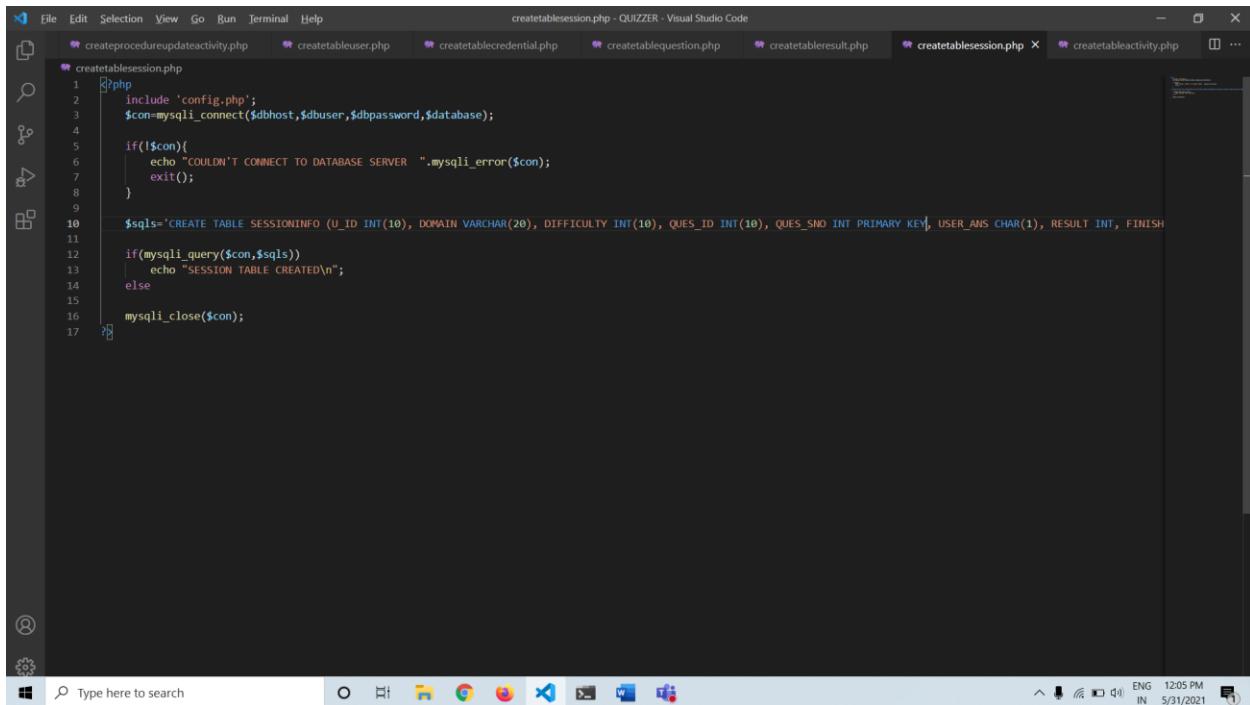
```

File Edit Selection View Go Run Terminal Help
createactivity.php createprocedureupdateactivity.php createableuser.php createablecredential.php createablequestion.php X createableresult.php X createablesession.php createatal ...
1 <?php
2     include 'config.php';
3     $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
4
5     if(!$con)
6         echo "COULDN'T CONNECT TO DATABASE SERVER ".mysqli_error($con);
7
8     $sqlr="CREATE TABLE RESULT (U_ID INT(10), DOMAIN VARCHAR(20), COUNTRY VARCHAR(20), EASY_SCORE INT DEFAULT 0, MED_SCORE INT DEFAULT 0, HARD_SCORE INT DEFAULT 0,
9             EASY_TIME TIME, MED_TIME TIME, HARD_TIME TIME)";
10
11    if(mysqli_query($con,$sqlr))
12        echo "RESULT TABLE CREATED\n";
13    else
14        echo "TABLE NOT CREATED\n";
15
16    mysqli_close($con);
17 ?>

```

Ln 8, Col 65 Spaces: 4 UTF-8 CRLF PHP Go Live ⚡

## Session table:



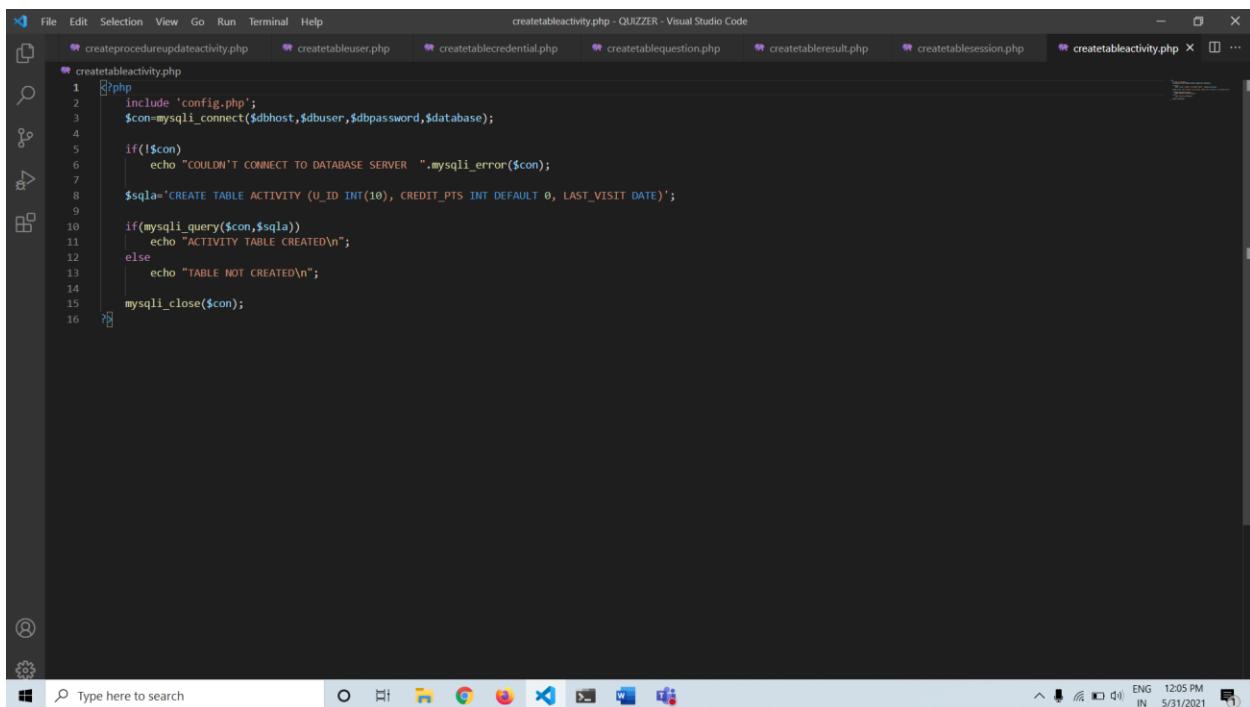
The screenshot shows a Visual Studio Code window with multiple tabs open, all related to a project named "QUIZZER". The active tab is "createablesession.php". The code in the editor is as follows:

```

1 <?php
2     include 'config.php';
3     $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
4
5     if(!$con){
6         echo "COULDN'T CONNECT TO DATABASE SERVER ".mysqli_error($con);
7         exit();
8     }
9
10    $sql='CREATE TABLE SESSIONINFO (U_ID INT(10), DOMAIN VARCHAR(20), DIFFICULTY INT(10), QUES_ID INT(10), QUES_SNO INT PRIMARY KEY, USER_ANS CHAR(1), RESULT INT, FINISH
11
12    if(mysqli_query($con,$sql))
13        echo "SESSION TABLE CREATED\n";
14    else
15
16        mysqli_close($con);
17 ?>

```

## Activity table:



The screenshot shows a Visual Studio Code window with multiple tabs open, all related to a project named "QUIZZER". The active tab is "createableactivity.php". The code in the editor is as follows:

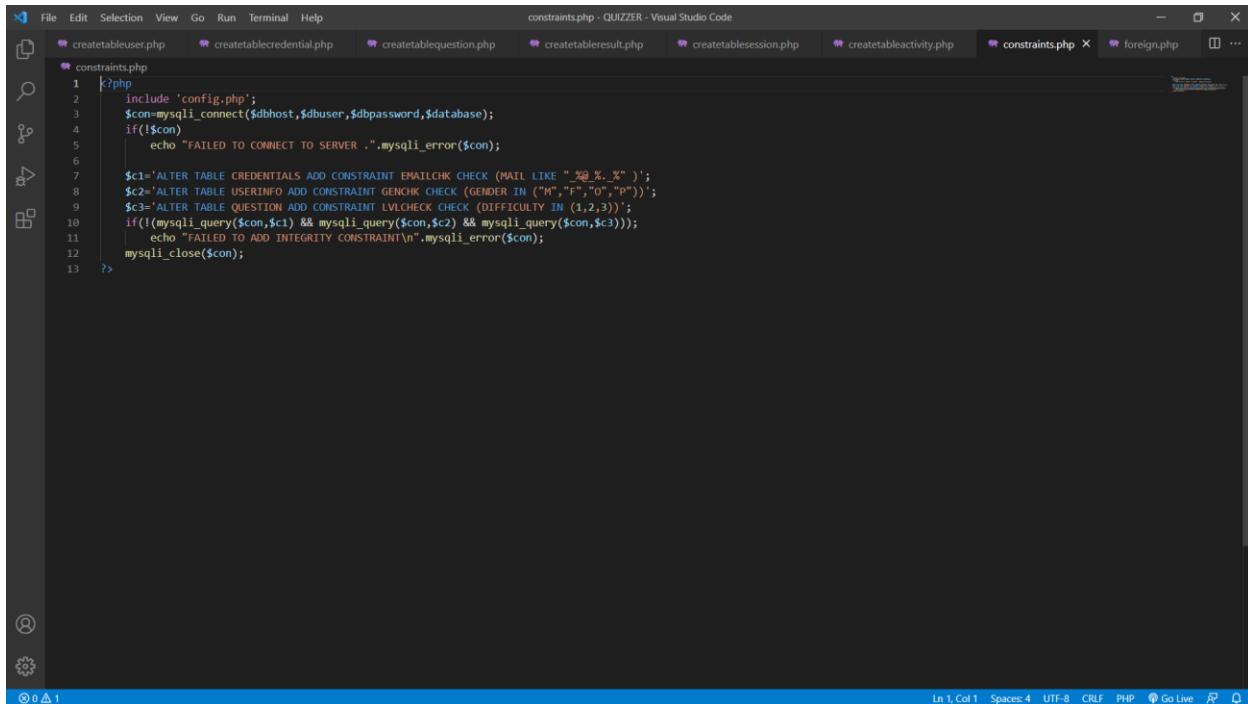
```

1 <?php
2     include 'config.php';
3     $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
4
5     if(!$con)
6         echo "COULDN'T CONNECT TO DATABASE SERVER ".mysqli_error($con);
7
8     $sqla='CREATE TABLE ACTIVITY (U_ID INT(10), CREDIT_PTS INT DEFAULT 0, LAST_VISIT DATE)';
9
10    if(mysqli_query($con,$sqla))
11        echo "ACTIVITY TABLE CREATED\n";
12    else
13        echo "TABLE NOT CREATED\n";
14
15    mysqli_close($con);
16 ?>

```

## 2. Setting up FOREIGN KEYS and CONSTRAINTS:

### Constraints:



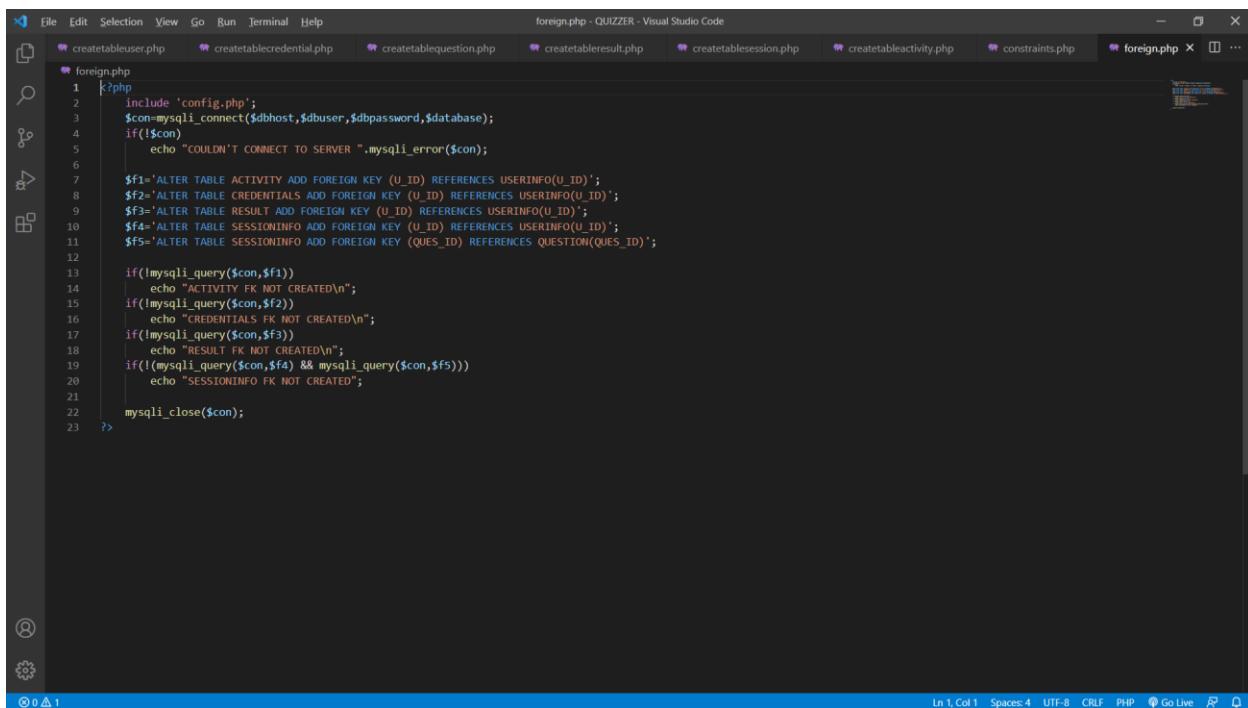
```

File Edit Selection View Go Run Terminal Help
constraints.php - QUIZZER - Visual Studio Code
constraints.php
1 <?php
2     include 'config.php';
3     $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
4     if(!$con)
5         echo "FAILED TO CONNECT TO SERVER ".mysqli_error($con);
6
7     $c1='ALTER TABLE CREDENTIALS ADD CONSTRAINT EMAILCHK CHECK (MAIL LIKE "%@%.%")';
8     $c2='ALTER TABLE USERINFO ADD CONSTRAINT GENCHK CHECK (GENDER IN ("M","F","O","P"))';
9     $c3='ALTER TABLE QUESTION ADD CONSTRAINT LVLCHECK CHECK (DIFFICULTY IN (1,2,3))';
10    if(!mysqli_query($con,$c1) && mysqli_query($con,$c2) && mysqli_query($con,$c3));
11        echo "FAILED TO ADD INTEGRITY CONSTRAINT\n".mysqli_error($con);
12
13    mysqli_close($con);
14
?>

```

Ln 1, Col 1 Spaces: 4 UTF-8 CRLF PHP Go Live

### Foreign keys:



```

File Edit Selection View Go Run Terminal Help
foreign.php - QUIZZER - Visual Studio Code
foreign.php
1 <?php
2     include 'config.php';
3     $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
4     if(!$con)
5         echo "COULDN'T CONNECT TO SERVER ".mysqli_error($con);
6
7     $f1='ALTER TABLE ACTIVITY ADD FOREIGN KEY (U_ID) REFERENCES USERINFO(U_ID)';
8     $f2='ALTER TABLE CREDENTIALS ADD FOREIGN KEY (U_ID) REFERENCES USERINFO(U_ID)';
9     $f3='ALTER TABLE RESULT ADD FOREIGN KEY (U_ID) REFERENCES USERINFO(U_ID)';
10    $f4='ALTER TABLE SESSIONINFO ADD FOREIGN KEY (U_ID) REFERENCES USERINFO(U_ID)';
11    $f5='ALTER TABLE SESSIONINFO ADD FOREIGN KEY (QUES_ID) REFERENCES QUESTION(QUES_ID)';
12
13    if(!mysqli_query($con,$f1))
14        echo "ACTIVITY FK NOT CREATED\n";
15    if(!mysqli_query($con,$f2))
16        echo "CREDENTIALS FK NOT CREATED\n";
17    if(!mysqli_query($con,$f3))
18        echo "RESULT FK NOT CREATED\n";
19    if(!mysqli_query($con,$f4) && mysqli_query($con,$f5))
20        echo "SESSIONINFO FK NOT CREATED";
21
22    mysqli_close($con);
23
?>

```

Ln 1, Col 1 Spaces: 4 UTF-8 CRLF PHP Go Live

## Tables successfully created (Reflection in database):

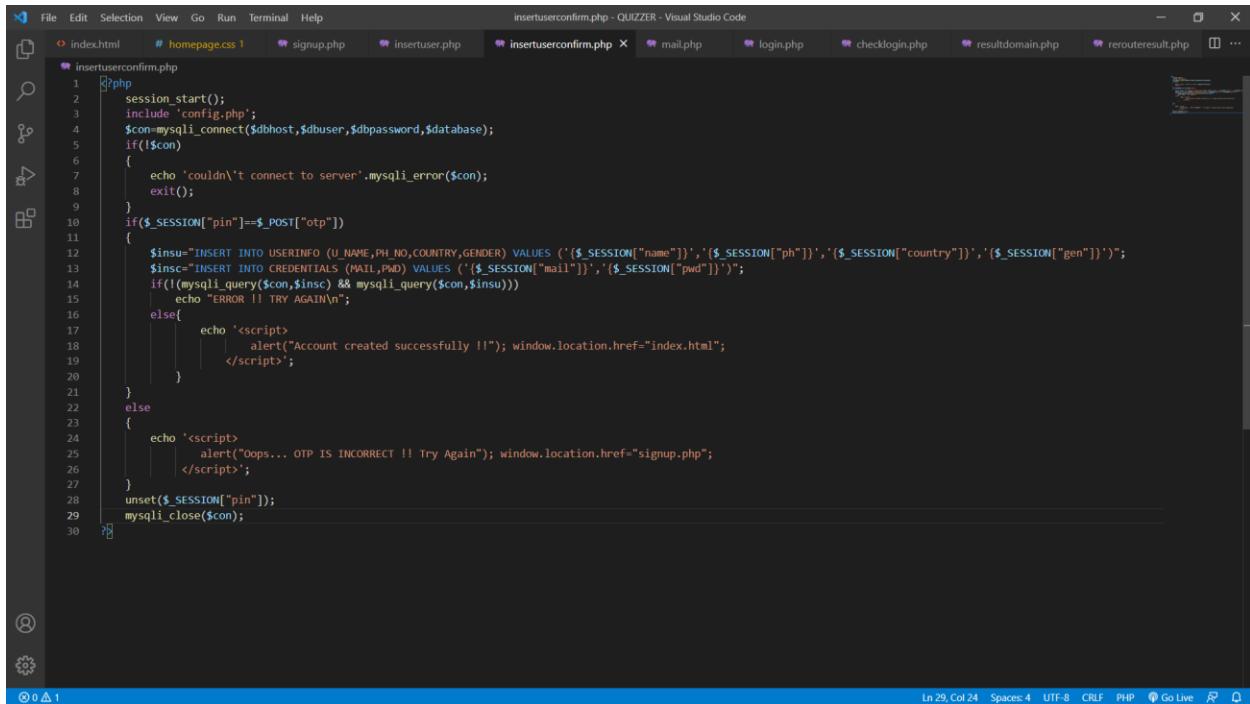
The screenshot shows the phpMyAdmin interface for the 'quizzzer' database. The left sidebar lists databases (information\_schema, metaphora, mysql, performance\_schema, phpmyadmin, pranav, quizzzer, test) and their structures (Tables, Procedures). The 'Tables' section for the 'quizzzer' database is expanded, showing eight tables: activity, credentials, currentuser, leaderboard, question, result, sessioninfo, and userinfo. Each table has a row of operations (Browse, Structure, Search, Insert, Empty, Drop) and a summary of its characteristics (Rows, Type, Collation, Size, Overhead). A summary at the bottom indicates 8 tables, a sum of 73 rows, and a total size of 128.0 Kib.

Table	Action	Rows	Type	Collation	Size	Overhead
activity	Browse Structure Search Insert Empty Drop	8	InnoDB	latin1_swedish_ci	16.0 Kib	-
credentials	Browse Structure Search Insert Empty Drop	8	InnoDB	latin1_swedish_ci	32.0 Kib	-
currentuser	Browse Structure Search Insert Edit Drop	~0	View	-	-	-
leaderboard	Browse Structure Search Insert Edit Drop	~0	View	-	-	-
question	Browse Structure Search Insert Empty Drop	40	InnoDB	latin1_swedish_ci	16.0 Kib	-
result	Browse Structure Search Insert Empty Drop	9	InnoDB	latin1_swedish_ci	32.0 Kib	-
sessioninfo	Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16.0 Kib	-
userinfo	Browse Structure Search Insert Empty Drop	8	InnoDB	latin1_swedish_ci	16.0 Kib	-

### **3. Signing up (creating a new account):**

```
File Edit Selection View Go Run Terminal Help insertuser.php - QUIZZER - Visual Studio Code
index.html # homepage.css | signup.php | insertuser.php | insertuserconfirm.php | mail.php | login.php | checklogin.php | resultdomain.php | rerouteresult.php

insertuser.php
1 <?php
2     include 'config.php';
3     session_start();
4     $_SESSION['name']=$_POST['name'];
5     $_SESSION['gen']=$_POST['gender'];
6     $_SESSION['ph']=$POST['phno'];
7     $_SESSION['mail']=$POST['email'];
8     $_SESSION['country']=$POST['country'];
9     $_SESSION['pwd']=$POST['pwd'];
10    $rpwd=$POST['pwd-repeat'];
11
12    $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
13    if(!$con)
14    {
15        echo "UNABLE TO CONNECT SERVER.";
16        echo '<a href="signup.html">TRY AGAIN</a><br> ';
17        exit();
18    }
19    $sel="SELECT MAIL FROM CREDENTIALS WHERE MAIL='".$_SESSION['mail']."' ";
20    $result=mysqli_query($con,$sel);
21    if(!$result)
22    {
23        echo mysqli_error($con);
24        exit();
25    }
26    if(mysqli_num_rows($result)==0)
27    {
28        if($_SESSION['pwd']==$rpwd)
29        {
30            if($_SESSION['gen']=="Male")
31                $_SESSION['gen']="m";
32            elseif ($_SESSION['gen']=="Female")
33                $_SESSION['gen']="f";
34            elseif($_SESSION['gen']=="other")
35                $_SESSION['gen']="o";
36            else
37                $_SESSION['gen']="";
38            $pass=password_hash($_SESSION['pwd'],PASSWORD_DEFAULT);
39            if(password_verify($_SESSION['pwd'],$pass))
40            {
41                exit();
42            }
43            $_SESSION['pwd']=$pass;
44            include 'mail.php';
45            echo'
```



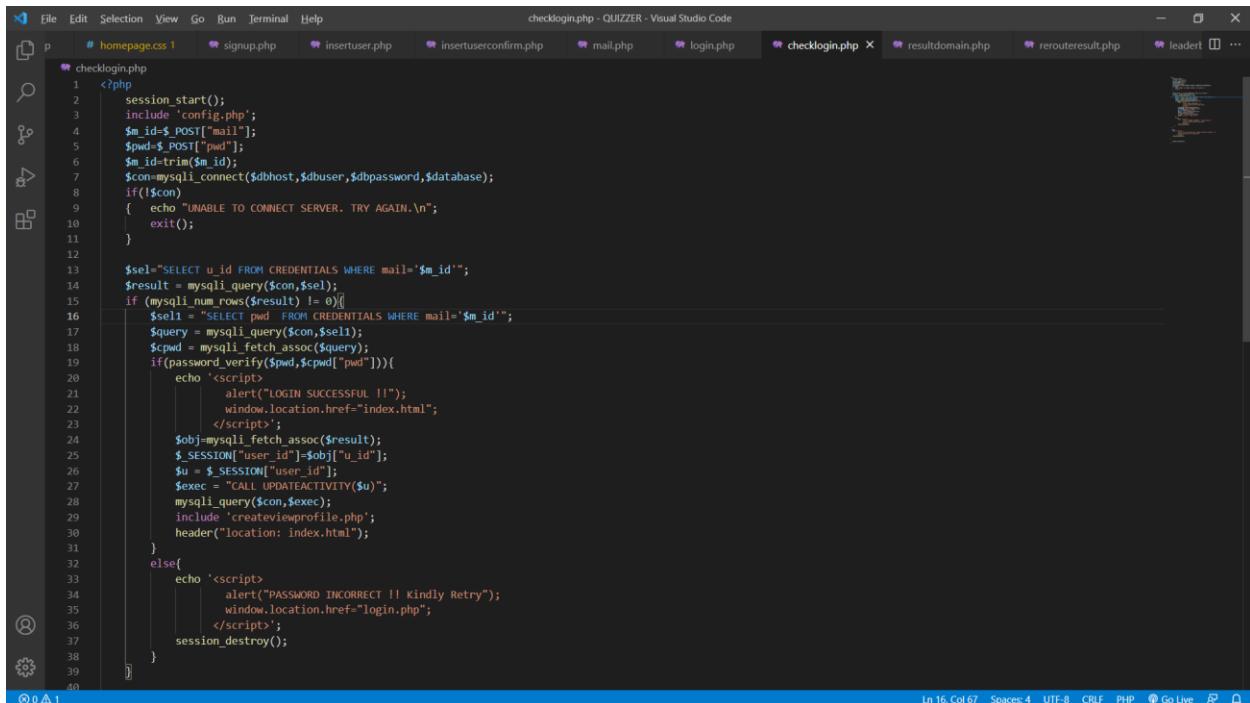
```

File Edit Selection View Go Run Terminal Help
insertuserconfirm.php - QUIZZER - Visual Studio Code
insertuserconfirm.php X insertuser.php mail.php login.php checklogin.php resultdomain.php rerouteresult.php ...
index.html # homepage.css 1 signup.php
insertuserconfirm.php
1 <?php
2 session_start();
3 include 'config.php';
4 $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
5 if(!$con)
6 {
7 echo 'couldn\'t connect to server.' . mysqli_error($con);
8 exit();
9 }
10 if($_SESSION["pin"] == $_POST["otp"])
11 {
12 $insu="INSERT INTO USERINFO (U_NAME,PH_NO,COUNTRY,GENDER) VALUES ('$_SESSION["name"]','$_SESSION["ph"]','$_SESSION["country"]','$_SESSION["gen"]');
13 $insc="INSERT INTO CREDENTIALS (MAIL,PWD) VALUES ('$_SESSION["mail"]','$_SESSION["pwd"]');
14 if(mysqli_query($con,$insc) && mysqli_query($con,$insu))
15 echo "ERROR !! TRY AGAIN\n";
16 else{
17 echo '<script>
18 | alert("Account created successfully !!"); window.location.href="index.html";
19 | </script>';
20 }
21 else{
22 echo '<script>
23 | alert("oops... OTP IS INCORRECT !! Try Again"); window.location.href="signup.php";
24 | </script>';
25 }
26 unset($_SESSION["pin"]);
27 mysqli_close($con);
28 }
29 ?>

```

Ln 29, Col 24 Spaces: 4 UTF-8 CRLF PHP Go Live ⚡

## 4. Logging in:



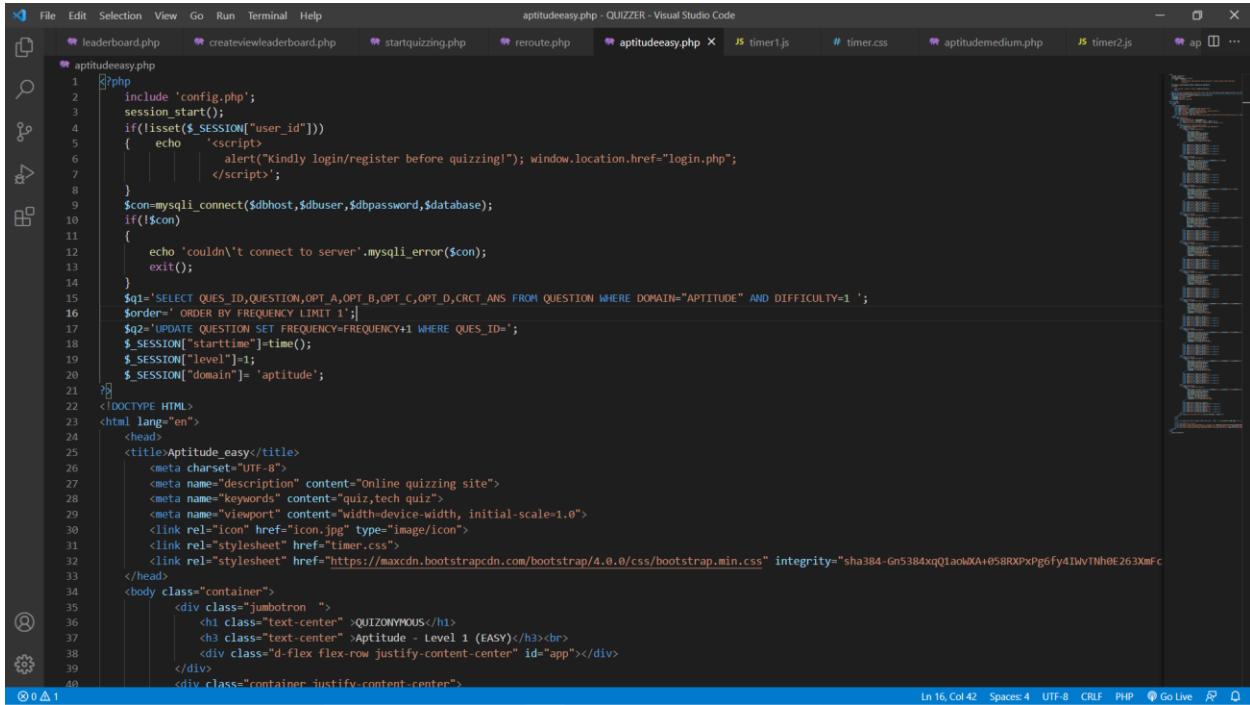
```

File Edit Selection View Go Run Terminal Help
checklogin.php - QUIZZER - Visual Studio Code
checklogin.php X login.php resultdomain.php rerouteresult.php ...
homepage.css 1 signup.php insertuser.php insertuserconfirm.php mail.php
checklogin.php
1 <?php
2 session_start();
3 include 'config.php';
4 $m_id=$_POST['mail'];
5 $pwd=$_POST['pwd'];
6 $m_id=trim($m_id);
7 $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
8 if(!$con)
9 {
10 echo "UNABLE TO CONNECT SERVER. TRY AGAIN.\n";
11 exit();
12 }
13 $sel="SELECT u_id FROM CREDENTIALS WHERE mail='$m_id'";
14 $resul = mysqli_query($con,$sel);
15 if (mysqli_num_rows($resul) != 0){
16 $sel1 = "SELECT pwd FROM CREDENTIALS WHERE mail='$m_id'";
17 $query = mysqli_query($con,$sel1);
18 $cpwd = mysqli_fetch_assoc($query);
19 if(password_verify($pwd,$cpwd["pwd"])){
20 echo '<script>
21 | alert("LOGIN SUCCESSFUL !!");
22 | window.location.href="index.html";
23 | </script>';
24 $obj=mysqli_fetch_assoc($resul);
25 $_SESSION['user_id']=$obj['u_id'];
26 $u = $_SESSION['user_id'];
27 $exec = "CALL UPDATEACTIVITY('$u')";
28 mysqli_query($con,$exec);
29 include 'createrviewprofile.php';
30 header("location: index.html");
31 }
32 else{
33 echo '<script>
34 | alert("PASSWORD INCORRECT !! Kindly Retry");
35 | window.location.href="login.php";
36 | </script>';
37 session_destroy();
38 }
39 }
40 ?>

```

Ln 16, Col 67 Spaces: 4 UTF-8 CRLF PHP Go Live ⚡

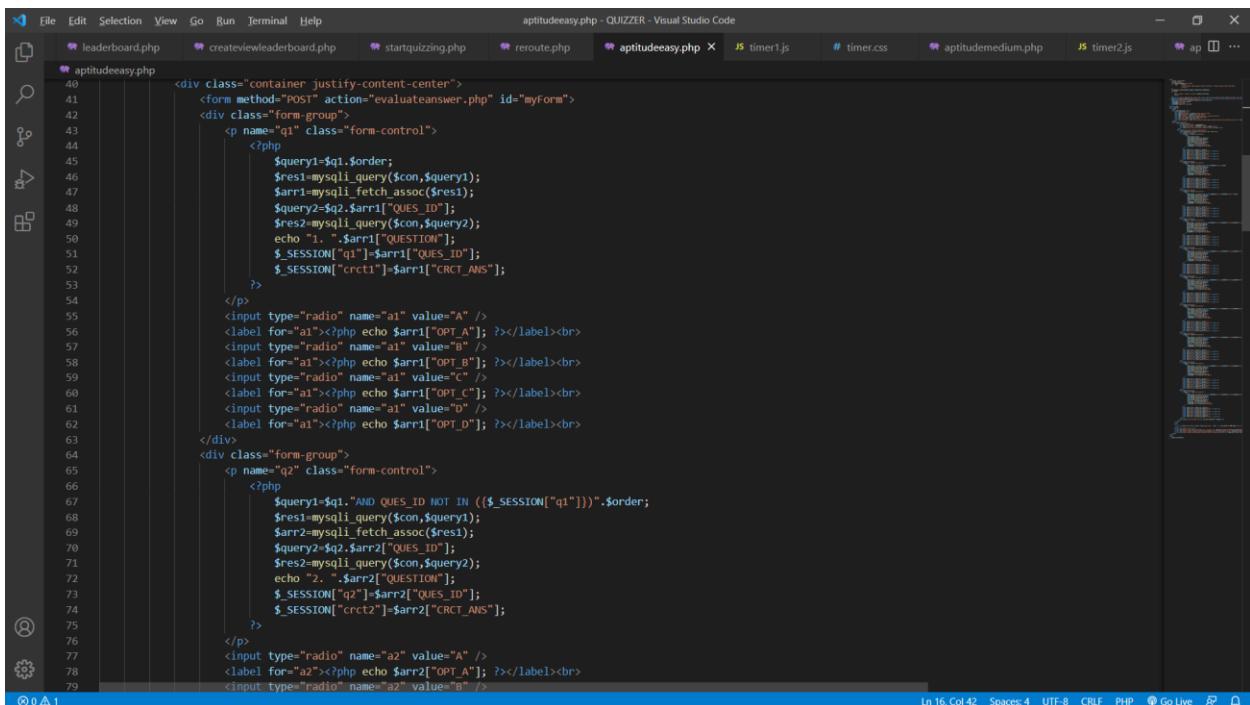
## 5. Taking a quiz:



```

1 <?php
2     include 'config.php';
3     session_start();
4     if(!isset($_SESSION["user_id"]))
5     {
6         echo "<script>";
7             alert('Kindly login/register before quizzing!'); window.location.href='login.php';
8         </script>";
9     }
10    $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
11    if(!$con)
12    {
13        echo 'couldn\'t connect to server'.mysqli_error($con);
14        exit();
15    }
16    $q1="SELECT QUES_ID,QUESTION,OPT_A,OPT_B,OPT_C,OPT_D,CRCT_ANS FROM QUESTION WHERE DOMAIN='APTITUDE' AND DIFFICULTY=1 ";
17    $order=" ORDER BY FREQUENCY LIMIT 1";
18    $q2="UPDATE QUESTION SET FREQUENCY=FREQUENCY+1 WHERE QUES_ID=";
19    $_SESSION['starttime']=time();
20    $_SESSION['level']=1;
21    $_SESSION['domain']= 'aptitude';
22
23    <!DOCTYPE HTML>
24    <html lang="en">
25        <head>
26            <title>Aptitude_easy</title>
27            <meta charset="UTF-8">
28            <meta name="description" content="Online quizzing site">
29            <meta name="keywords" content="quiz,tech quiz">
30            <meta name="viewport" content="width=device-width, initial-scale=1.0">
31            <link rel="icon" href="icon.jpg" type="image/icon">
32            <link rel="stylesheet" href="timer.css">
33            <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5z84xqQ1aokXA+058RXPxPgfy4IwvTNh0E263XmFc" data-bbox="115 380 881 460"/>
34        </head>
35        <body class="container">
36            <div class="jumbotron ">
37                <h1 class="text-center" >QUITZONIOUS</h1>
38                <h3 class="text-center" >Aptitude - Level 1 (EASY)</h3><br>
39                <div class="d-flex flex-row justify-content-center" id="app"></div>
40            </div>
41            <div class="container justify-content-center">
42
43                <form method="POST" action="evaluateanswer.php" id="myForm">
44                    <div class="form-group">
45                        <p name="q1" class="form-control">
46                            <?php
47                                $query1=$q1.$order;
48                                $res1=mysqli_query($con,$query1);
49                                $arr1=mysqli_fetch_assoc($res1);
50                                $query2=$q2.$arr1["QUES_ID"];
51                                $res2=mysqli_query($con,$query2);
52                                echo "1. ". $arr1["QUESTION"];
53                                $_SESSION["q1"]=$arr1["QUES_ID"];
54                                $_SESSION["crtct1"]=$arr1["CRCT_ANS"];
55                            >?
56                            <input type="radio" name="a1" value="A" />
57                            <label for="a1"><?php echo $arr1["OPT_A"]; ?></label><br>
58                            <input type="radio" name="a1" value="B" />
59                            <label for="a1"><?php echo $arr1["OPT_B"]; ?></label><br>
60                            <input type="radio" name="a1" value="C" />
61                            <label for="a1"><?php echo $arr1["OPT_C"]; ?></label><br>
62                            <input type="radio" name="a1" value="D" />
63                            <label for="a1"><?php echo $arr1["OPT_D"]; ?></label><br>
64
65                    </div>
66                    <div class="form-group">
67                        <p name="q2" class="form-control">
68                            <?php
69                                $query1=$q1." AND QUES_ID NOT IN (".$_SESSION["q1"]."")".$order;
70                                $res1=mysqli_query($con,$query1);
71                                $arr2=mysqli_fetch_assoc($res1);
72                                $query2=$q2.$arr2["QUES_ID"];
73                                $res2=mysqli_query($con,$query2);
74                                echo "2. ". $arr2["QUESTION"];
75                                $_SESSION["q2"]=$arr2["QUES_ID"];
76                                $_SESSION["crtct2"]=$arr2["CRCT_ANS"];
77
78                            >?
79                            <input type="radio" name="a2" value="A" />
80                            <label for="a2"><?php echo $arr2["OPT_A"]; ?></label><br>
81                            <input type="radio" name="a2" value="B" />
82
83                    </div>
84
85                </form>
86
87            </div>
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```



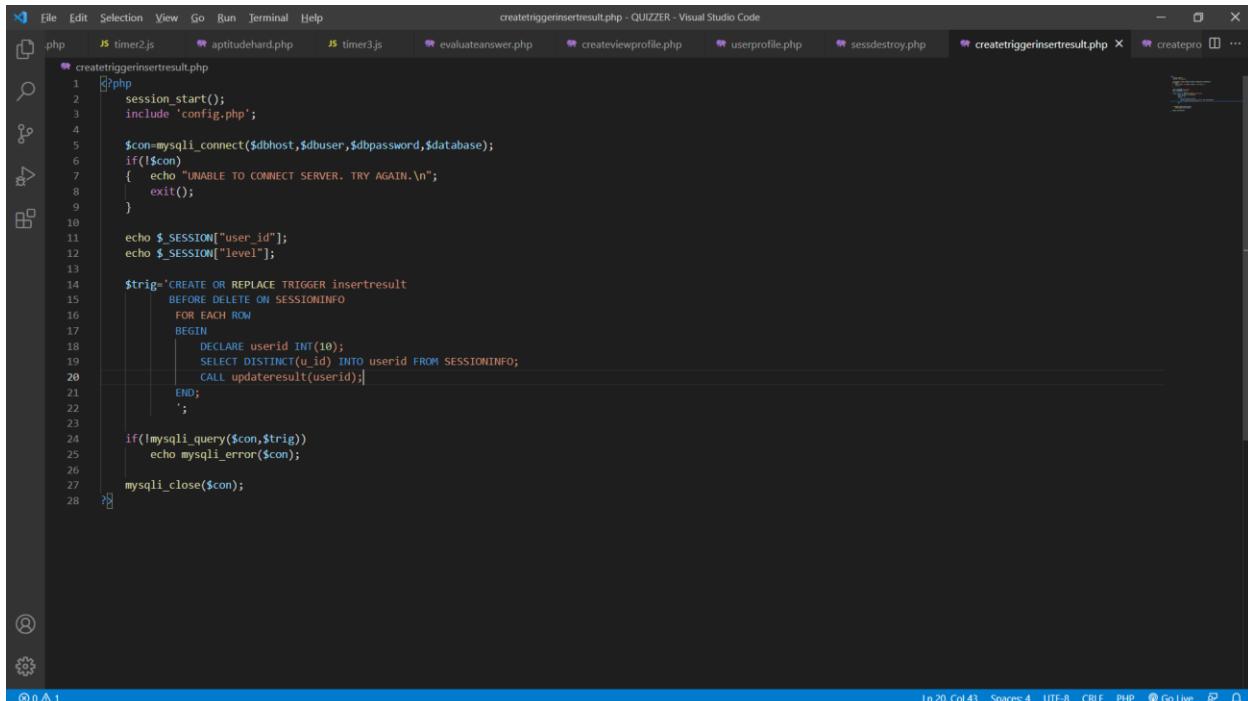
```

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```

## 6. Setting up TRIGGERS:

**insertresult** – Trigger to update the result table when one attends a quiz



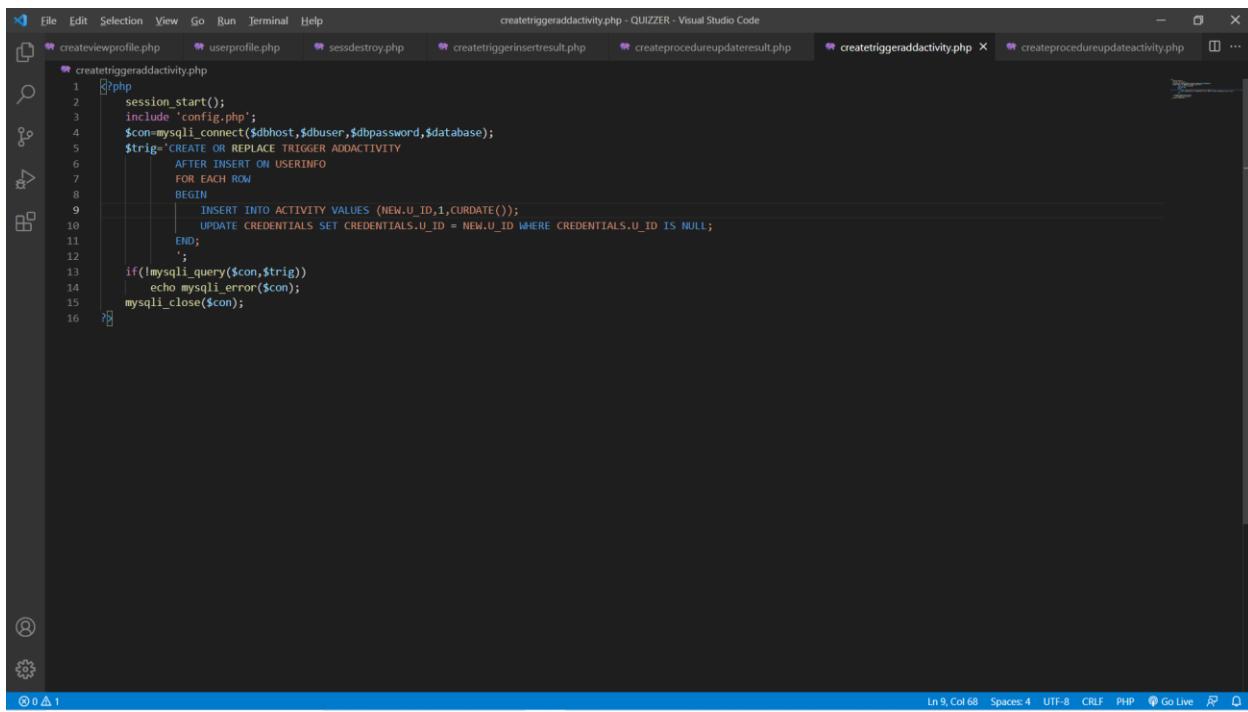
```

File Edit Selection View Go Run Terminal Help
createtriggerinsertresult.php - QUIZZER - Visual Studio Code
php timer2.js aptitudehard.php timer3.js evaluateanswer.php createviewprofile.php userprofile.php sessdestroy.php createtriggerinsertresult.php createpro ...
1 <?php
2 session_start();
3 include 'config.php';
4
5 $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
6 if(!$con)
7 {
8 echo "UNABLE TO CONNECT SERVER. TRY AGAIN.\n";
9 exit();
}
10
11 echo $_SESSION["user_id"];
12 echo $_SESSION["level"];
13
14 $trig="CREATE OR REPLACE TRIGGER insertresult
15 BEFORE DELETE ON SESSIONINFO
16 FOR EACH ROW
17 BEGIN
18     DECLARE userid INT(10);
19     SELECT DISTINCT(u_id) INTO userid FROM SESSIONINFO;
20     CALL updateresult(userid);
21 END;
22
23
24 if(!mysqli_query($con,$trig))
25 echo mysqli_error($con);
26
27 mysqli_close($con);
28 ?>

```

Ln 20, Col 43 Spaces: 4 UTF-8 CRLF PHP Go Live ⚡

**addactivity** – Trigger to insert new users into activity table



```

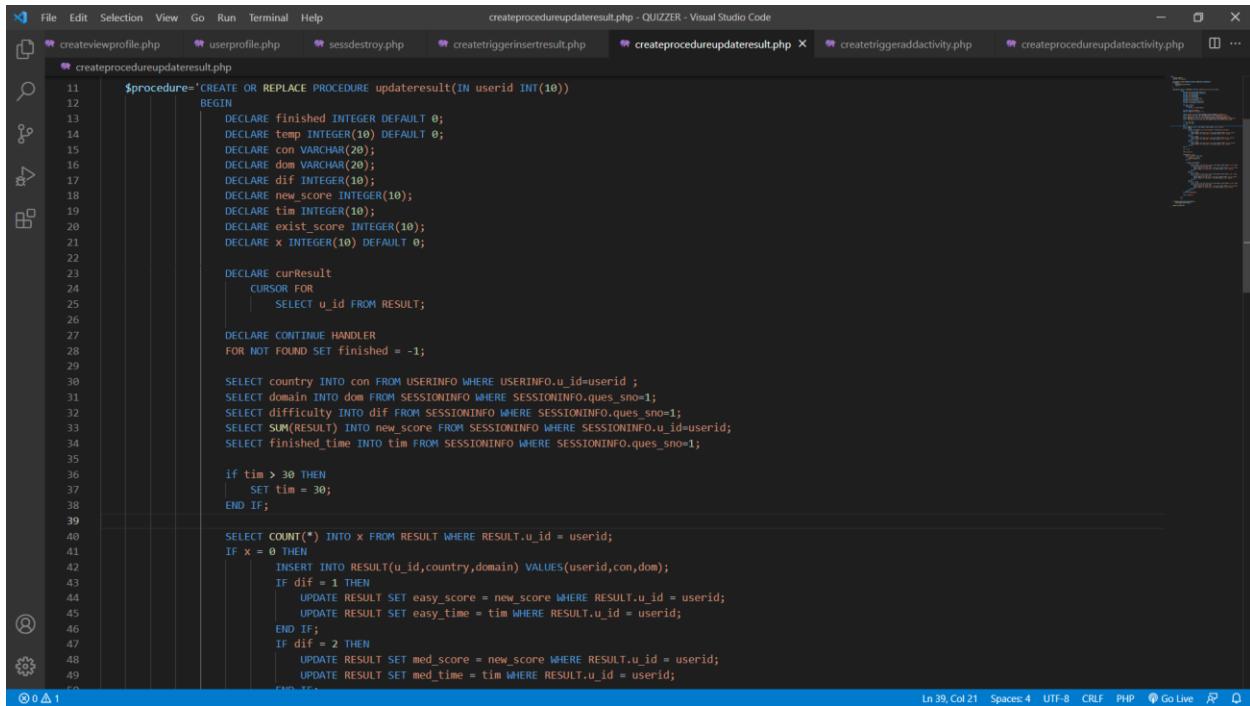
File Edit Selection View Go Run Terminal Help
createviewprofile.php userprofile.php sessdestroy.php createtriggerinsertresult.php createprocedureupdateresult.php createtriggeraddactivity.php createprocedureupdateactivity.php ...
createtriggeraddactivity.php - QUIZZER - Visual Studio Code
php
1 <?php
2 session_start();
3 include 'config.php';
4 $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
5 $trig="CREATE OR REPLACE TRIGGER ADDACTIVITY
6 AFTER INSERT ON USERINFO
7 FOR EACH ROW
8 BEGIN
9     INSERT INTO ACTIVITY VALUES (NEW.U_ID,1,CURDATE());
10    UPDATE CREDENTIALS SET CREDENTIALS.U_ID = NEW.U_ID WHERE CREDENTIALS.U_ID IS NULL;
11 END;
12
13 if(!mysqli_query($con,$trig))
14 echo mysqli_error($con);
15 mysqli_close($con);
16 ?>

```

Ln 9, Col 68 Spaces: 4 UTF-8 CRLF PHP Go Live ⚡

## 7. Setting up PROCEDURES (CURSORS included):

**updateresult** – Procedure to update result table when trigger is invoked



```

CREATE OR REPLACE PROCEDURE updateresult(IN userid INT(10))
BEGIN
    DECLARE finished INTEGER DEFAULT 0;
    DECLARE temp INTEGER(10) DEFAULT 0;
    DECLARE con VARCHAR(20);
    DECLARE dom VARCHAR(20);
    DECLARE dif INTEGER(10);
    DECLARE new_score INTEGER(10);
    DECLARE tim INTEGER(10);
    DECLARE exist_score INTEGER(10);
    DECLARE x INTEGER(10) DEFAULT 0;

    DECLARE curResult
    CURSOR FOR
        SELECT u_id FROM RESULT;

    DECLARE CONTINUE HANDLER
    FOR NOT FOUND SET finished = -1;

    SELECT country INTO con FROM USERINFO WHERE USERINFO.u_id=userid ;
    SELECT domain INTO dom FROM SESSIONINFO WHERE SESSIONINFO.ques_sno=1;
    SELECT difficulty INTO dif FROM SESSIONINFO WHERE SESSIONINFO.ques_sno=1;
    SELECT SUM(result) INTO new_score FROM SESSIONINFO WHERE SESSIONINFO.u_id=userid;
    SELECT finished_time INTO tim FROM SESSIONINFO WHERE SESSIONINFO.ques_sno=1;

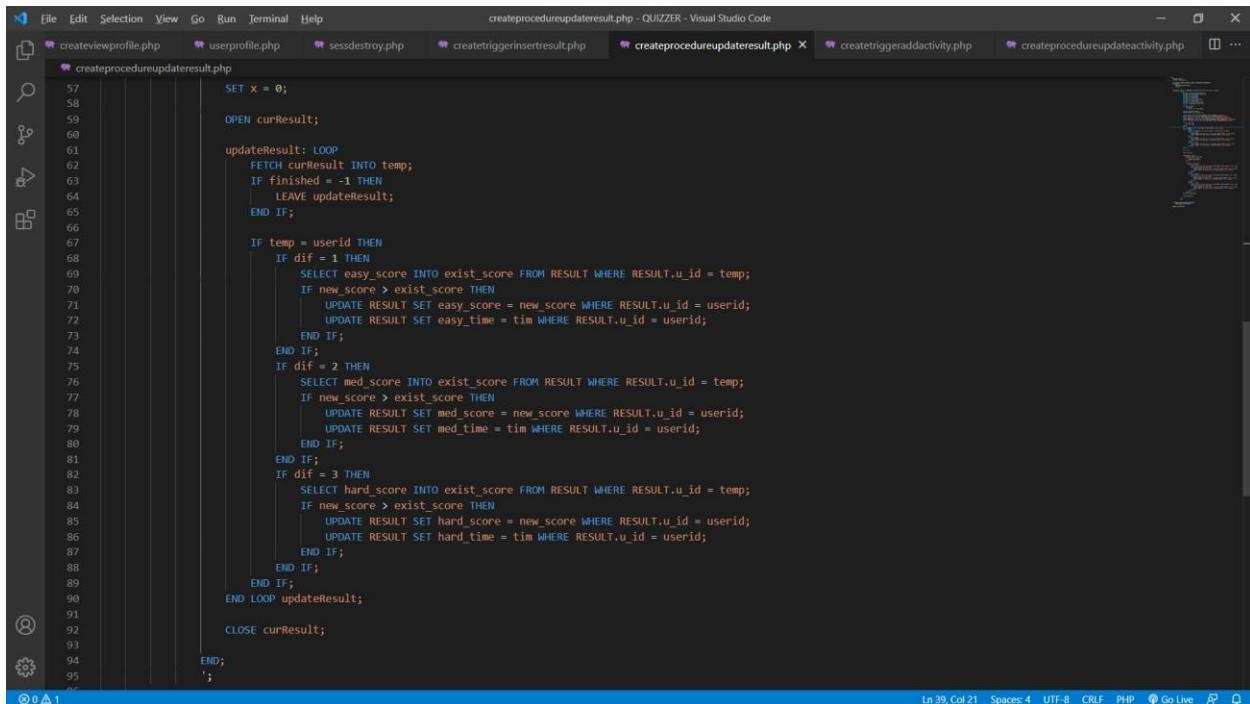
    if tim > 30 THEN
        SET tim = 30;
    END IF;

    SELECT COUNT(*) INTO x FROM RESULT WHERE RESULT.u_id = userid;
    IF x = 0 THEN
        INSERT INTO RESULT(u_id,country,domian) VALUES(userid,con,dom);
        IF dif = 1 THEN
            UPDATE RESULT SET easy_score = new_score WHERE RESULT.u_id = userid;
            UPDATE RESULT SET easy_time = tim WHERE RESULT.u_id = userid;
        END IF;
        IF dif = 2 THEN
            UPDATE RESULT SET med_score = new_score WHERE RESULT.u_id = userid;
            UPDATE RESULT SET med_time = tim WHERE RESULT.u_id = userid;
        END IF;
    ELSE
        SET x = 0;
        OPEN curResult;
        updateResult: LOOP
            FETCH curResult INTO temp;
            IF finished = -1 THEN
                LEAVE updateResult;
            END IF;

            IF temp = userid THEN
                IF dif = 1 THEN
                    SELECT easy_score INTO exist_score FROM RESULT WHERE RESULT.u_id = temp;
                    IF new_score > exist_score THEN
                        UPDATE RESULT SET easy_score = new_score WHERE RESULT.u_id = userid;
                        UPDATE RESULT SET easy_time = tim WHERE RESULT.u_id = userid;
                    END IF;
                END IF;
                IF dif = 2 THEN
                    SELECT med_score INTO exist_score FROM RESULT WHERE RESULT.u_id = temp;
                    IF new_score > exist_score THEN
                        UPDATE RESULT SET med_score = new_score WHERE RESULT.u_id = userid;
                        UPDATE RESULT SET med_time = tim WHERE RESULT.u_id = userid;
                    END IF;
                END IF;
                IF dif = 3 THEN
                    SELECT hard_score INTO exist_score FROM RESULT WHERE RESULT.u_id = temp;
                    IF new_score > exist_score THEN
                        UPDATE RESULT SET hard_score = new_score WHERE RESULT.u_id = userid;
                        UPDATE RESULT SET hard_time = tim WHERE RESULT.u_id = userid;
                    END IF;
                END IF;
            END IF;
        END LOOP updateResult;
        CLOSE curResult;
    END;

```

**curResult** – CURSOR to loop through entries of result table



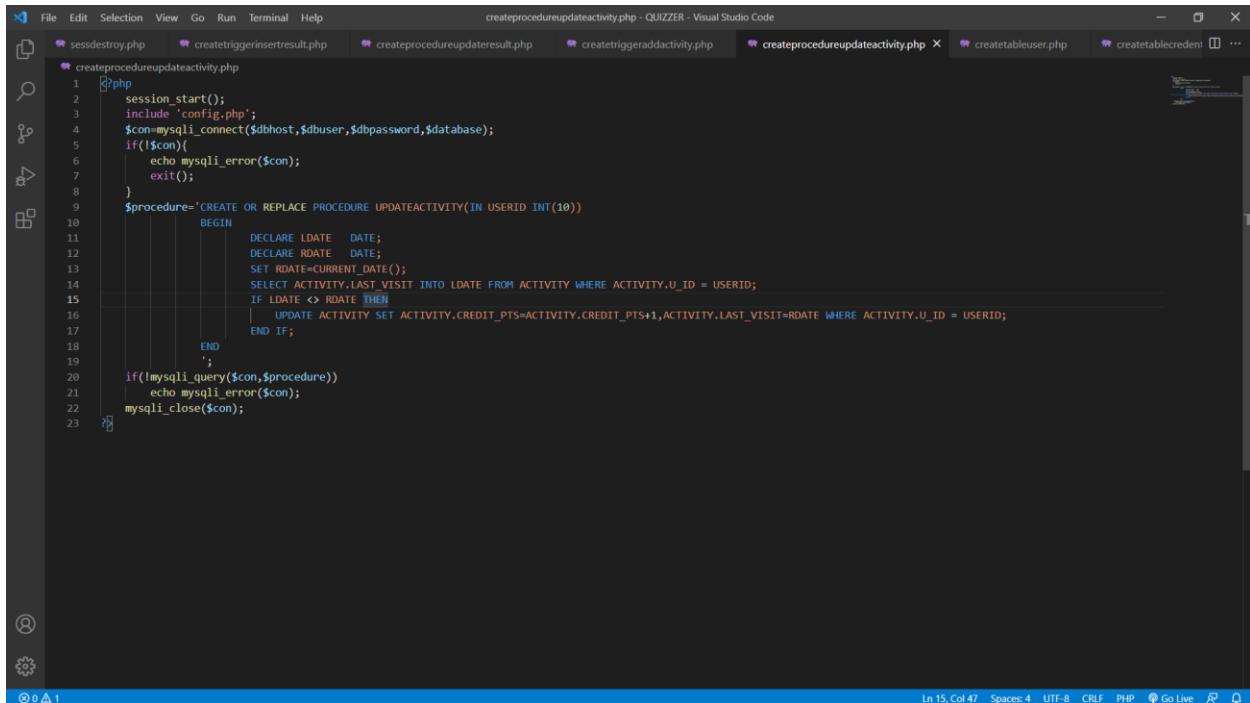
```

SET x = 0;
OPEN curResult;
updateResult: LOOP
    FETCH curResult INTO temp;
    IF finished = -1 THEN
        LEAVE updateResult;
    END IF;

    IF temp = userid THEN
        IF dif = 1 THEN
            SELECT easy_score INTO exist_score FROM RESULT WHERE RESULT.u_id = temp;
            IF new_score > exist_score THEN
                UPDATE RESULT SET easy_score = new_score WHERE RESULT.u_id = userid;
                UPDATE RESULT SET easy_time = tim WHERE RESULT.u_id = userid;
            END IF;
        END IF;
        IF dif = 2 THEN
            SELECT med_score INTO exist_score FROM RESULT WHERE RESULT.u_id = temp;
            IF new_score > exist_score THEN
                UPDATE RESULT SET med_score = new_score WHERE RESULT.u_id = userid;
                UPDATE RESULT SET med_time = tim WHERE RESULT.u_id = userid;
            END IF;
        END IF;
        IF dif = 3 THEN
            SELECT hard_score INTO exist_score FROM RESULT WHERE RESULT.u_id = temp;
            IF new_score > exist_score THEN
                UPDATE RESULT SET hard_score = new_score WHERE RESULT.u_id = userid;
                UPDATE RESULT SET hard_time = tim WHERE RESULT.u_id = userid;
            END IF;
        END IF;
    END IF;
END LOOP updateResult;
CLOSE curResult;
END;

```

## updateactivity – Procedure to award credit points to users for daily-login



```

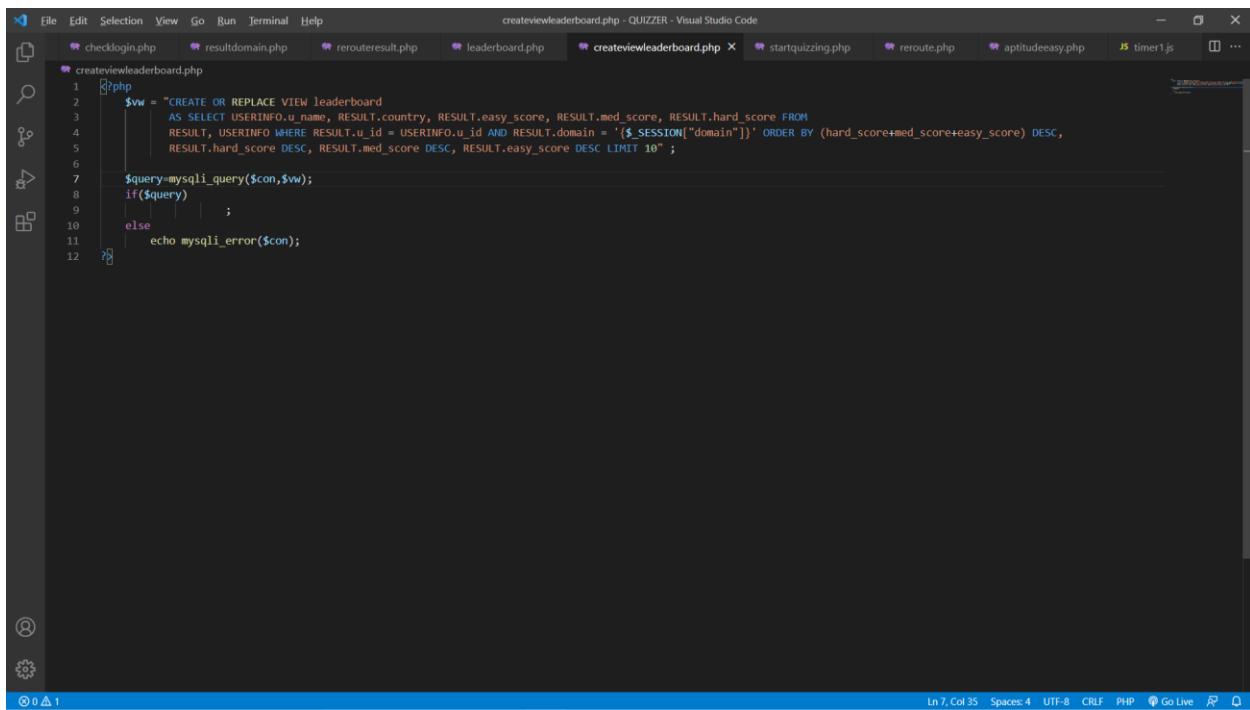
File Edit Selection View Go Run Terminal Help
createprocedureupdateactivity.php - QUIZZER - Visual Studio Code
sessdestroy.php createtriggerinsertresult.php createprocedureupdateresult.php createtriggeraddactivity.php createprocedureupdateactivity.php createtableuser.php creatablecredent ...
1 session_start();
2 include 'config.php';
3 $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
4 if(!$con){
5     echo mysqli_error($con);
6     exit();
7 }
8 $procedure='CREATE OR REPLACE PROCEDURE UPDATEACTIVITY(IN USERID INT(10))
9 BEGIN
10     DECLARE LDATE DATE;
11     DECLARE RDATE DATE;
12     SET RDATE=CURRENT_DATE();
13     SELECT ACTIVITY.LAST_VISIT INTO LDATE FROM ACTIVITY WHERE ACTIVITY.U_ID = USERID;
14     IF LDATE <> RDATE THEN
15         UPDATE ACTIVITY SET ACTIVITY.CREDIT_PTS=ACTIVITY.CREDIT_PTS+1,ACTIVITY.LAST_VISIT=RDATE WHERE ACTIVITY.U_ID = USERID;
16     END IF;
17     ;
18 if(!mysqli_query($con,$procedure))
19     echo mysqli_error($con);
20 mysqli_close($con);
21 ?>

```

Ln 15, Col 47 Spaces: 4 UTF-8 CRLF PHP Go Live ⚡

## 8. Setting up VIEWS:

**leaderboard** – view to display the leaderboard



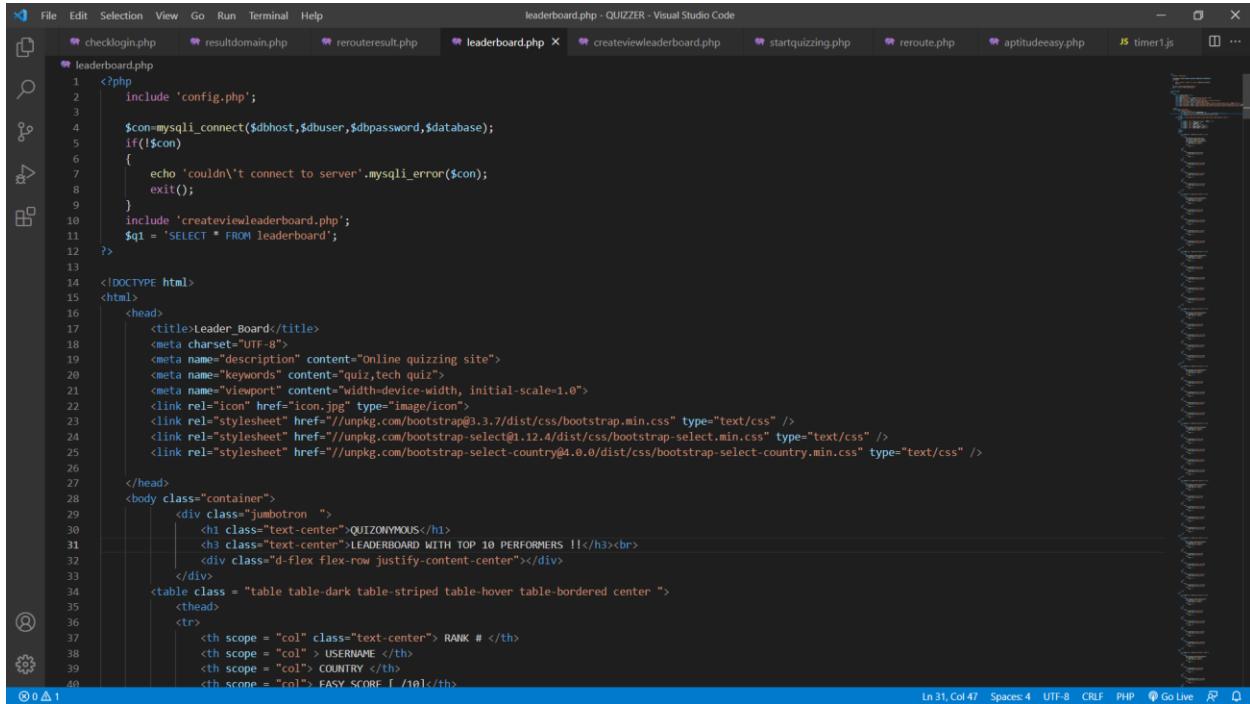
```

File Edit Selection View Go Run Terminal Help
createviewleaderboard.php - QUIZZER - Visual Studio Code
checklogin.php resultdomain.php rerouteresult.php leaderboard.php createviewleaderboard.php startquizzing.php reroute.php aptitudeeasy.php timer1.js ...
1 <?php
2 $vw = "CREATE OR REPLACE VIEW leaderboard
3 AS SELECT USERINFO.u.name, RESULT.country, RESULT.easy_score, RESULT.med_score, RESULT.hard_score FROM
4 RESULT,USERINFO WHERE RESULT.u.id = USERINFO.u.id AND RESULT.domain = '{$SESSION['domain']}' ORDER BY (hard_score+med_score+easy_score) DESC,
5 RESULT.hard_score DESC, RESULT.med_score DESC, RESULT.easy_score DESC LIMIT 10";
6
7 $query=mysqli_query($con,$vw);
8 if($query)
9     ;
10 else
11     echo mysqli_error($con);
12 ?>

```

Ln 7, Col 35 Spaces: 4 UTF-8 CRLF PHP Go Live ⚡

## Displaying from leaderboard view:

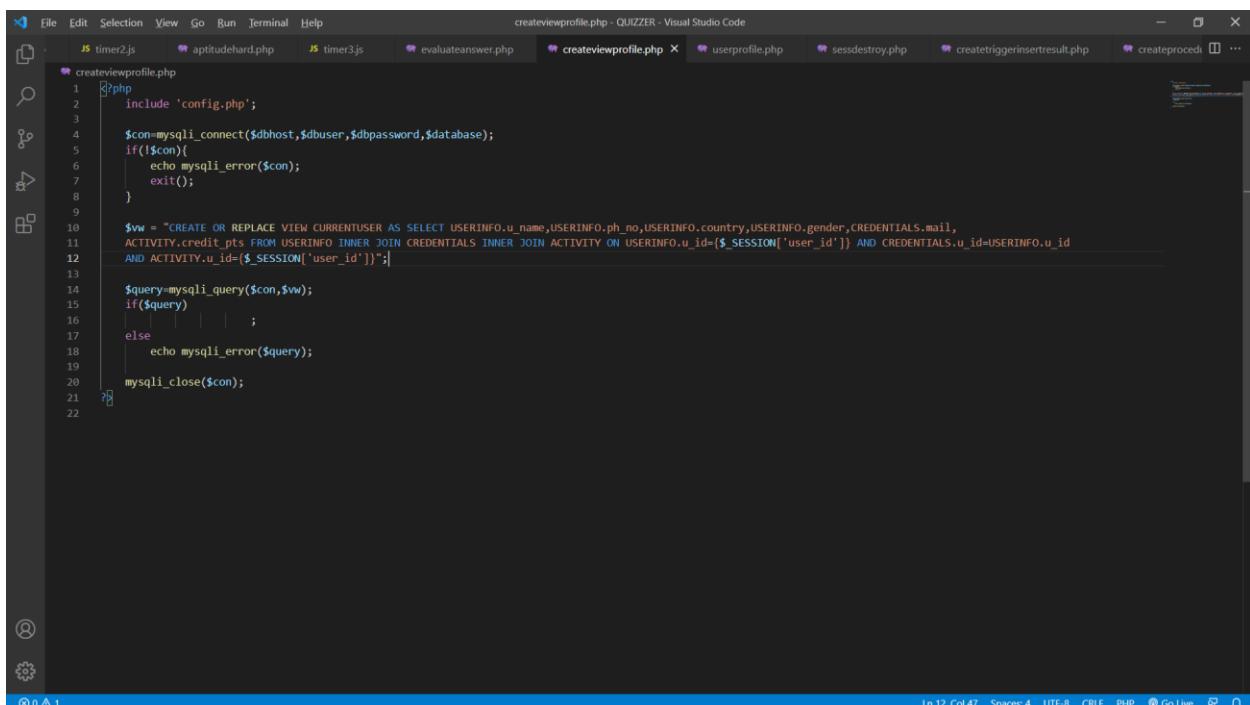


```

File Edit Selection View Go Run Terminal Help
leaderboard.php - QUIZZER - Visual Studio Code
checklogin.php resultdomain.php rerouteresult.php leaderboard.php x createviewleaderboard.php startquizzing.php reroute.php aptitudeeasy.php timer1.js ...
1 <?php
2     include 'config.php';
3
4     $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
5     if(!$con)
6     {
7         echo 'couldn\'t connect to server'.mysqli_error($con);
8         exit();
9     }
10    include 'createviewleaderboard.php';
11    $q1 = 'SELECT * FROM leaderboard';
12 ?>
13
14 <!DOCTYPE html>
15 <html>
16     <head>
17         <title>Leader Board</title>
18         <meta charset="UTF-8">
19         <meta name="description" content="Online quizzing site">
20         <meta name="keywords" content="quiz,tech quiz">
21         <meta name="viewport" content="width=device-width, initial-scale=1.0">
22         <link rel="icon" href="icon.jpg" type="image/icon">
23         <link rel="stylesheet" href="//unpkg.com/bootstrap@3.3.7/dist/css/bootstrap.min.css" type="text/css" />
24         <link rel="stylesheet" href="//unpkg.com/bootstrap-select@1.12.4/dist/css/bootstrap-select.min.css" type="text/css" />
25         <link rel="stylesheet" href="//unpkg.com/bootstrap-select-country@4.0.0/dist/css/bootstrap-select-country.min.css" type="text/css" />
26
27     </head>
28     <body class="container">
29         <div class="jumbotron" >
30             <h1 class="text-center">QUIZOMMUS</h1>
31             <h3 class="text-center">LEADERBOARD WITH TOP 10 PERFORMERS !!</h3><br>
32             <div class="d-flex flex-row justify-content-center"></div>
33         </div>
34         <table class="table table-dark table-striped table-hover table-bordered center" >
35             <thead>
36                 <tr>
37                     <th scope = "col" class="text-center"> RANK # </th>
38                     <th scope = "col" > USERNAME </th>
39                     <th scope = "col" > COUNTRY </th>
40                     <th scope = "col" > EASY SCORE [ /10] </th>
41                 </tr>
42             </thead>
43             <tbody>
44             </tbody>
45         </table>
46     </body>
47 
```

Ln 31, Col 47 Spaces: 4 UTF-8 CRLF PHP Go Live ⚡

## currentuser – View to display details of current user:

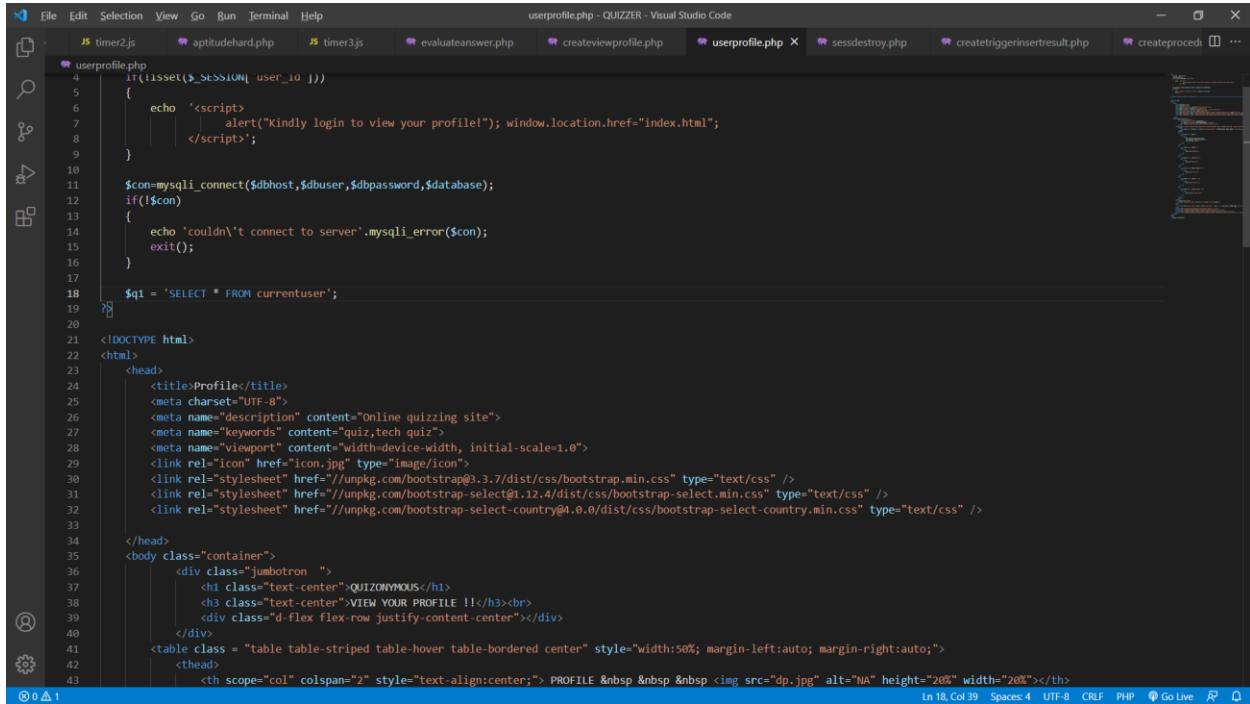


```

File Edit Selection View Go Run Terminal Help
createviewprofile.php - QUIZZER - Visual Studio Code
timer2.js aptitudehard.php timer3js evaluateanswer.php createviewprofile.php x userprofile.php sessdestroy.php createtriggerinsertresult.php createproced ...
1 <?php
2     include 'config.php';
3
4     $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
5     if(!$con)
6     {
7         echo mysqli_error($con);
8         exit();
9     }
10
11     $vw = "CREATE OR REPLACE VIEW CURRENTUSER AS SELECT USERINFO.u_name,USERINFO.ph_no,USERINFO.country,USERINFO.gender,CREDENTIALS.mail,
12 ACTIVITY.credit_pts FROM USERINFO INNER JOIN CREDENTIALS INNER JOIN ACTIVITY ON USERINFO.u_id={$SESSION['user_id']} AND CREDENTIALS.u_id=USERINFO.u_id
13 AND ACTIVITY.u_id={$SESSION['user_id']}";|
14
15     $query=mysqli_query($con,$vw);
16     if($query)
17     {
18     }
19     else
20         echo mysqli_error($query);
21
22     mysqli_close($con);
23 ?>
24 
```

Ln 12, Col 47 Spaces: 4 UTF-8 CRLF PHP Go Live ⚡

## Displaying from currentuser view:



```

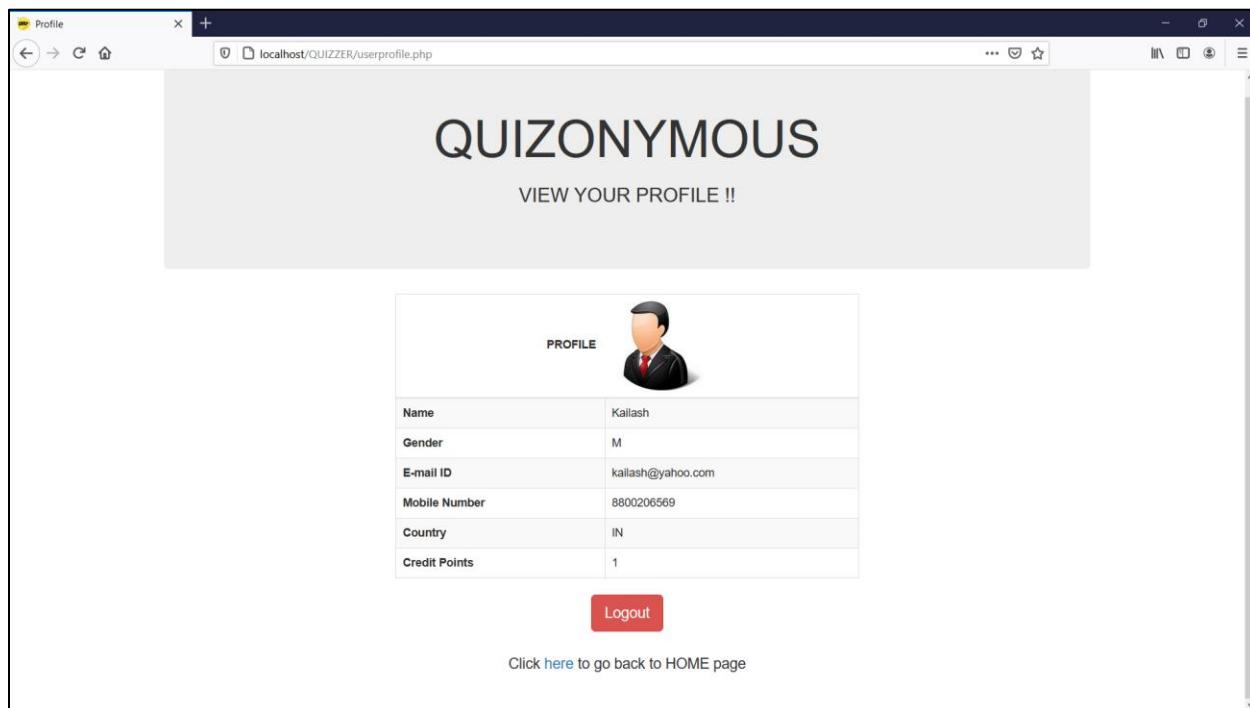
1  <?php
2      if(!isset($_SESSION['user_id']))
3      {
4          echo '<script>
5              |     alert("Kindly login to view your profile!"); window.location.href="index.html";
6              | </script>';
7      }
8
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43
    $con=mysqli_connect($dbhost,$dbuser,$dbpassword,$database);
    if(!$con)
    {
        echo 'couldn\'t connect to server'.mysqli_error($con);
        exit();
    }

    $sql = "SELECT * FROM currentuser";
?>

<!DOCTYPE html>
<html>
<head>
    <title>Profile</title>
    <meta charset="UTF-8">
    <meta name="description" content="Online quizzing site">
    <meta name="keywords" content="quiz,tech quiz">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="icon" href="icon.jpg" type="image/icon">
    <link rel="stylesheet" href="//unpkg.com/bootstrap@3.7/dist/css/bootstrap.min.css" type="text/css" />
    <link rel="stylesheet" href="//unpkg.com/bootstrap-select@1.2.4/dist/css/bootstrap-select.min.css" type="text/css" />
    <link rel="stylesheet" href="//unpkg.com/bootstrap-select-country@0.0.0/dist/css/bootstrap-select-country.min.css" type="text/css" />
</head>
<body class="container">
    <div class="jumbotron ">
        <h1 class="text-center">QUIZONYMOUS</h1>
        <h3 class="text-center">VIEW YOUR PROFILE !!</h3><br>
        <div class="d-flex flex-row justify-content-center"></div>
    </div>
    <table class = "table table-striped table-hover table-bordered center" style="width:50%; margin-left:auto; margin-right:auto;">
        <thead>
            <th scope="col" colspan="2" style="text-align:center;"> PROFILE &ampnbsp&ampnbsp &ampnbsp&ampnbsp </th>
        </thead>
        <tbody>
            <tr>
                <td>Name</td>
                <td>Kallash</td>
            </tr>
            <tr>
                <td>Gender</td>
                <td>M</td>
            </tr>
            <tr>
                <td>E-mail ID</td>
                <td>kallash@yahoo.com</td>
            </tr>
            <tr>
                <td>Mobile Number</td>
                <td>8800206569</td>
            </tr>
            <tr>
                <td>Country</td>
                <td>IN</td>
            </tr>
            <tr>
                <td>Credit Points</td>
                <td>1</td>
            </tr>
        </tbody>
    </table>
    <div style="text-align:center; margin-top:10px;">
        <a href="#" class="Logout" style="background-color:#c00000; color:white; padding:5px 20px; border-radius:10px; text-decoration:none; font-weight:bold; border:none; outline:none; font-size:12px; font-family: inherit; transition:background-color 0.3s ease; border:1px solid black; border-radius:10px; padding: 5px 20px; font-weight: bold; text-decoration: none; color: white; background-color: #c00000; border: 1px solid black; border-radius: 10px; font-size: 12px; font-family: inherit; transition: background-color 0.3s ease;">Logout
    </div>
</body>

```

## Display of currentuser view:



## **9. FRONT END:**

## **index.html - Home page**

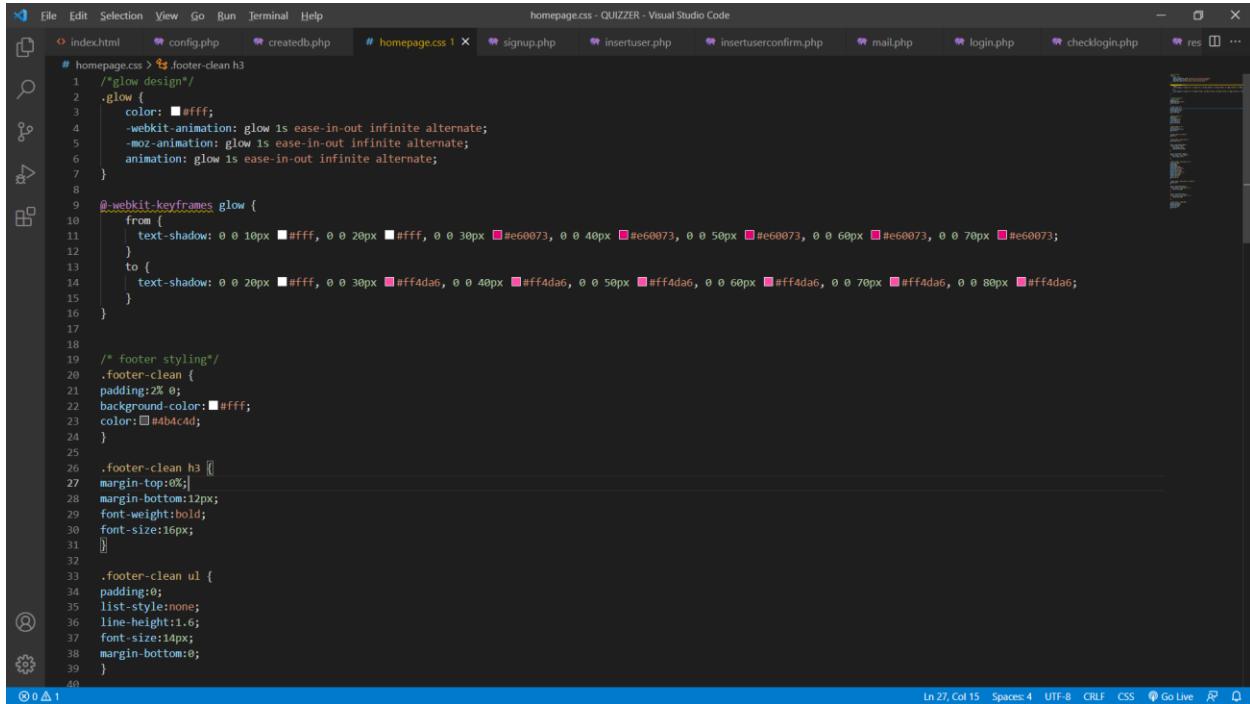
```
File Edit Selection View Go Run Terminal Help index.html - QUIZZER - Visual Studio Code

index.html X config.php createdb.php # homepage.css 1 signup.php inserter.php insertuserconfirm.php mail.php login.php checklogin.php res ...
index.html > html > body > div.container-fluid > div > nav.navbar.navbar-expand-sm.bg-dark.navbar-dark.fixed-top > p
4 <title>QUIZZER</title>
5 <meta charset="UTF-8">
6 <meta name="description" content="Online quizzing site">
7 <meta name="keywords" content="quiz,tech quiz">
8 <meta name="viewport" content="width=device-width, initial-scale=1.0">
9 <link rel="stylesheet" href="homepage.css">
10 <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5S84xqjQlOwXa+058RXPxPg6fy4IWvTNh0E263XmFcJLVSuWBBQF40" type="text/css">
11 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.css">
12 <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/ionicons/2.0.1/css/ionicons.min.css">
13 <link rel="stylesheet" href="assets/css/style.css">
14 <link rel="icon" href="icon.jpg" type="image/icon">
15 </head>
16 </body>
17 <div class=container-fluid>
18 <div style="background-image:url(bg.png); height: 100vh; background-repeat: no-repeat ; background-size: cover ;>
19 <!-- Navigation bar -->
20 <nav class="navbar navbar-expand-sm bg-dark navbar-dark fixed-top" >
21 <!-- dropdown menu-->
22 <div class="btn-group">
23 <button class="btn dropdown-toggle" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">Domains</button>
24 <div class="dropdown-menu" x-placement="bottom-start" style="position: absolute; will-change: transform; top: 0px; left: 0px; transform: translate3d(0px, 0px, 0px);>
25 <a href="startquizzing.php" class="dropdown-item">DSA</a>
26 <a href="startquizzing.php" class="dropdown-item">DBMS</a>
27 <a href="startquizzing.php" class="dropdown-item">OS</a>
28 <a href="startquizzing.php" class="dropdown-item">Aptitude</a>
29 <div class="dropdown-divider"></div>
30 <a href="userprofile.php" class="dropdown-item">Profile</a>
31 </div>
32 </div>
33 </div>
34 <p style="font-family: Georgia; font-weight: bolder; margin-top: 1%; margin-left: 2%; font-size: 30px; color: #whitesmoke">QUIZZONOUS</p>
35 <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNav">
36 <span class="navbar-toggler-icon"></span>
37 </button>
38 <div class="collapse navbar-collapse justify-content-end" id="navbarNav">
39 <ul class="navbar-nav float-sm-right">
40 <li class="nav-item">
41 <a class="nav-link" style="font-weight: bolder; margin-top: 1%; color: #whitesmoke" href="resultdomain.php">Leaderboard</a>
42 </li>
43 </ul>
44 </div>
45 </div>
46 </body>
47 </html>
```

```
File Edit Selection View Go Run Terminal Help index.html - QUIZZER - Visual Studio Code

55 <div class="clearfix mt-sm-5">
56     <span class="float-sm-left w-25 ml-sm-5 mt-sm-5" style="color: #whitesmoke; font-size: 200%; ">
57         <br><h1 style="font-family: monospace">About:</h1><br> We provide a great platform for the upliftment of your technical skills.
58         We render question sets of industry standard to enhance your employability skills.
59         Try to solve our questions and fly out with successful colors in your life.<br></span>
60     </div>
61
62     <!--start button -->
63     <div class="container">
64         <a href="startquizzing.php" class="glow btn btn-lg float-sm-left " style="color: #whitesmoke; font-size: 250%;">Start Quizzing</a>
65     </div>
66     <br>
67
68     <!-- footer -->
69     <div class="footer-clean" style="margin-top: 5%;>
70         <footer>
71             <div class="container">
72                 <div class="row justify-content-center">
73                     <div class="col-sm-4 col-md-3 item">
74                         <h3>Services</h3>
75                         <ul>
76                             <li><a href="#">Web library</a></li>
77                             <li><a href="#">Books</a></li>
78                             <li><a href="#">online materials</a></li>
79                         </ul>
80                     </div>
81                     <div class="col-sm-4 col-md-3 item">
82                         <h3>About</h3>
83                         <ul>
84                             <li><a href="#">Company</a></li>
85                             <li><a href="#">Contact us</a></li>
86                             <li><a href="#">Read more</a></li>
87                         </ul>
88                     </div>
89
90                     <div class="col-lg-3 item social"><a href="#"><i class="icon ion-social-facebook"></i></a><a href="#"><i class="icon ion-social-twitter"></i></a></div>
91
92                     <p class="copyright">Quizonymous © 2021</p>
93                 </div>
94             </div>
```

## CSS page for index.html:

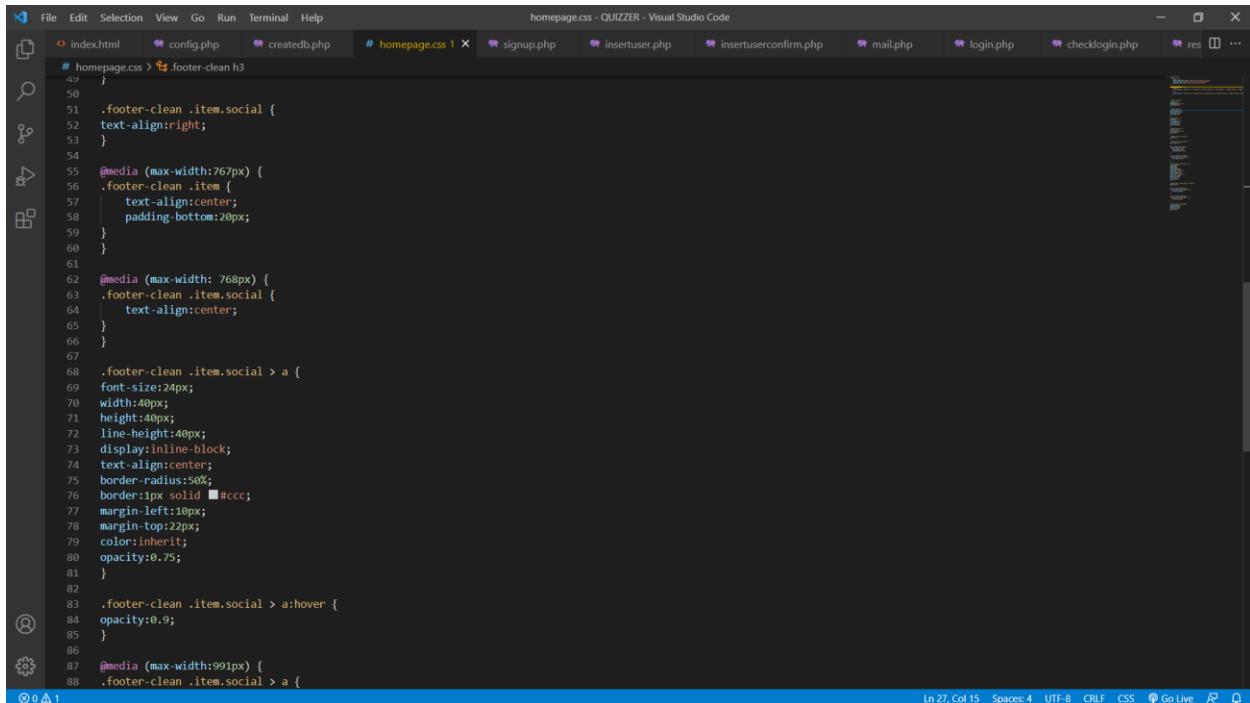


```

File Edit Selection View Go Run Terminal Help
index.html config.php createdb.php # homepage.css 1 signup.php insertuser.php insertuserconfirm.php mail.php login.php checklogin.php res ...
# homepage.css > .footer-clean h3
1 /* glow design*/
2 .glow {
3   color: #ffff;
4   -webkit-animation: glow 1s ease-in-out infinite alternate;
5   -moz-animation: glow 1s ease-in-out infinite alternate;
6   animation: glow 1s ease-in-out infinite alternate;
7 }
8
9 @webkit-keyframes glow {
10   from {
11     text-shadow: 0 0 10px #ffff, 0 0 20px #ffff, 0 0 30px #e60073, 0 0 40px #e60073, 0 0 50px #e60073, 0 0 60px #e60073, 0 0 70px #e60073;
12   }
13   to {
14     text-shadow: 0 0 20px #ffff, 0 0 30px #ff4da6, 0 0 40px #ff4da6, 0 0 50px #ff4da6, 0 0 60px #ff4da6, 0 0 70px #ff4da6, 0 0 80px #ff4da6;
15   }
16 }
17
18 /* footer styling*/
19 .footer-clean {
20   padding:2% 0;
21   background-color:#ffff;
22   color:#4b4c4d;
23 }
24
25 .footer-clean h3 {
26   margin-top:0px;
27   margin-bottom:12px;
28   font-weight:bold;
29   font-size:16px;
30 }
31
32 .footer-clean ul {
33   padding:0;
34   list-style:none;
35   line-height:1.6;
36   font-size:14px;
37   margin-bottom:0;
38 }
39
40

```

In 27, Col 15 Spaces: 4 UTF-8 CRLF CSS Go Live R D



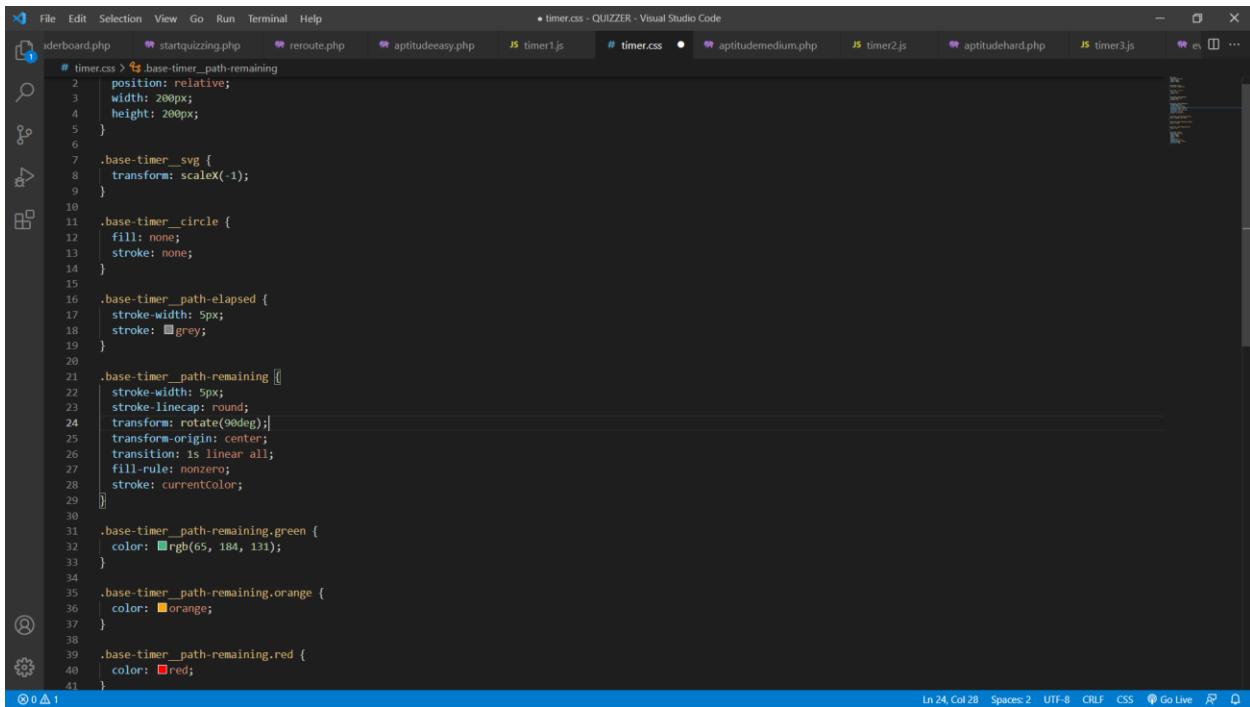
```

File Edit Selection View Go Run Terminal Help
index.html config.php createdb.php # homepage.css 1 signup.php insertuser.php insertuserconfirm.php mail.php login.php checklogin.php res ...
# homepage.css > .footer-clean h3
49 }
50
51 .footer-clean .item.social {
52   text-align:right;
53 }
54
55 @media (max-width:767px) {
56   .footer-clean .item {
57     text-align:center;
58     padding-bottom:20px;
59   }
60 }
61
62 @media (max-width: 768px) {
63   .footer-clean .item.social {
64     text-align:center;
65   }
66 }
67
68 .footer-clean .item.social > a {
69   font-size:24px;
70   width:40px;
71   height:40px;
72   line-height:40px;
73   display:inline-block;
74   text-align:center;
75   border-radius:50%;
76   border:1px solid #ccc;
77   margin-left:10px;
78   margin-top:22px;
79   color:inherit;
80   opacity:0.75;
81 }
82
83 .footer-clean .item.social > a:hover {
84   opacity:0.9;
85 }
86
87 @media (max-width:991px) {
88   .footer-clean .item.social > a {

```

In 27, Col 15 Spaces: 4 UTF-8 CRLF CSS Go Live R D

## timer.css – CSS page to style timer:



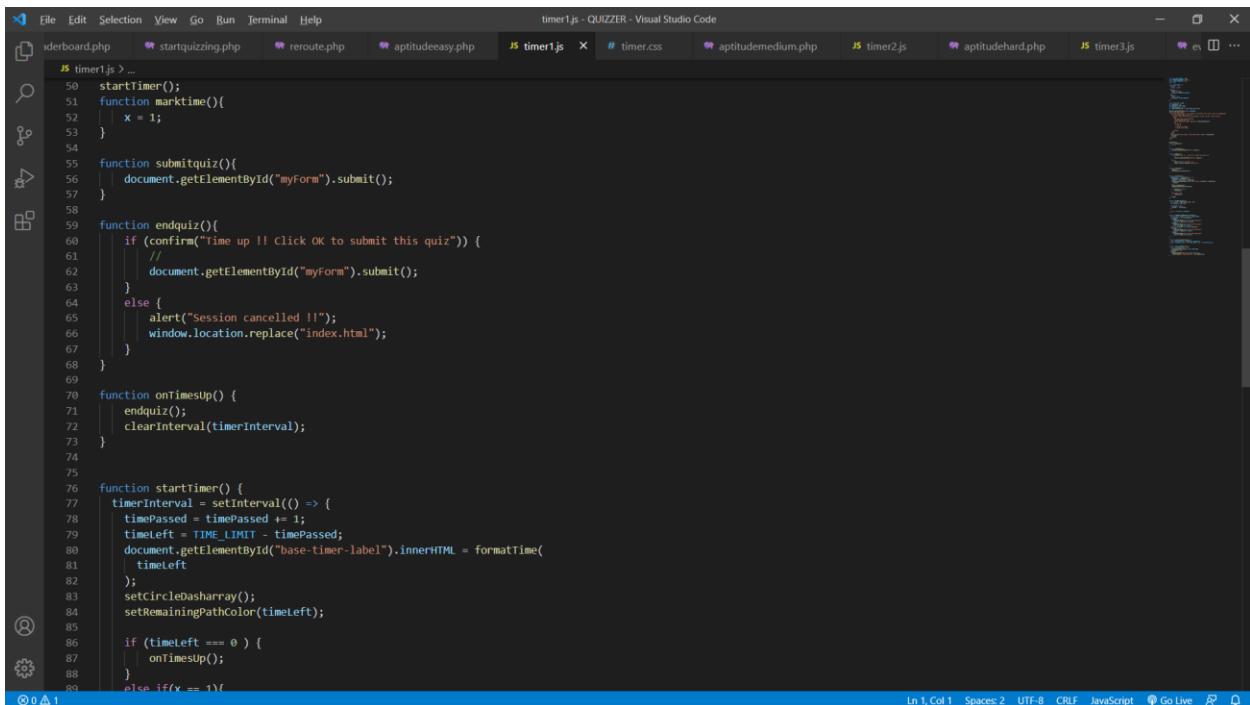
```

File Edit Selection View Go Run Terminal Help
idashboard.php startquizzing.php reroute.php aptitudeeasy.php JS timer1.js # timer.css aptitudemedium.php JS timer2.js aptitudehard.php JS timer3.js ev ...
# timer.css > 43 .base-timer__path-remaining
1 position: relative;
2 width: 200px;
3 height: 200px;
4
5 }
6
7 .base-timer__svg {
8 | transform: scale(-1);
9 }
10
11 .base-timer__circle {
12 | fill: none;
13 | stroke: none;
14 }
15
16 .base-timer__pathelapsed {
17 | stroke-width: 5px;
18 | stroke: #grey;
19 }
20
21 .base-timer__path-remaining [ ]
22 | stroke-width: 5px;
23 | stroke-linecap: round;
24 | transform: rotate(90deg);
25 | transform-origin: center;
26 | transition: stroke 1s linear;
27 | fill-rule: nonzero;
28 | stroke: currentColor;
29 ]
30
31 .base-timer__path-remaining.green {
32 | color: #rgb(65, 184, 131);
33 }
34
35 .base-timer__path-remaining.orange {
36 | color: #orange;
37 }
38
39 .base-timer__path-remaining.red {
40 | color: #red;
41 }

```

Ln 24, Col 28 Spaces: 2 UTF-8 CRLF CSS Go Live ⚡

## Timer.js - JS file to add dynamism to timer:



```

File Edit Selection View Go Run Terminal Help
idashboard.php startquizzing.php reroute.php aptitudeeasy.php JS timer1.js # timer.css aptitudemedium.php JS timer2.js aptitudehard.php JS timer3.js ev ...
# timer1.js > ...
50 startTimer();
51 function marktime(){
52 | x = 1;
53 }
54
55 function submitquiz(){
56 | document.getElementById("myForm").submit();
57 }
58
59 function endquiz(){
60 | if (confirm("Time up !! Click OK to submit this quiz")) {
61 | | //
62 | | document.getElementById("myForm").submit();
63 | }
64 | else {
65 | | alert("Session cancelled !!");
66 | | window.location.replace("index.html");
67 | }
68 }
69
70 function onTimesUp() {
71 | endquiz();
72 | clearInterval(timerInterval);
73 }
74
75
76 function starttimer() {
77 | timerInterval = setInterval(() => {
78 | | timePassed = timePassed + 1;
79 | | timeleft = TIME_LIMIT - timePassed;
80 | | document.getElementById("base-timer-label").innerHTML = formatTime(
81 | | timeleft
82 | );
83 | | setCircleDasharray();
84 | | setRemainingPathColor(timeleft);
85 | }
86 | if (timeleft === 0 ) {
87 | | onTimesUp();
88 | }
89 | else if(x == 1){

```

Ln 1, Col 1 Spaces: 2 UTF-8 CRLF JavaScript Go Live ⚡

## Conclusion:

With the help of the aforementioned technologies, an efficient Database for Quizzing is designed ensuring the persistence of the ACID properties along with a User-friendly interface.

## References:

- ❖ <https://github.com/PHPMailer/PHPMailer>
- ❖ <https://css-tricks.com/how-to-create-an-animated-countdown-timer-with-html-css-and-javascript/>
- ❖ [www.w3schools.com](http://www.w3schools.com)
- ❖ [www.php.net](http://www.php.net)
- ❖ <https://www.mysqltutorial.org/>

Thank You !