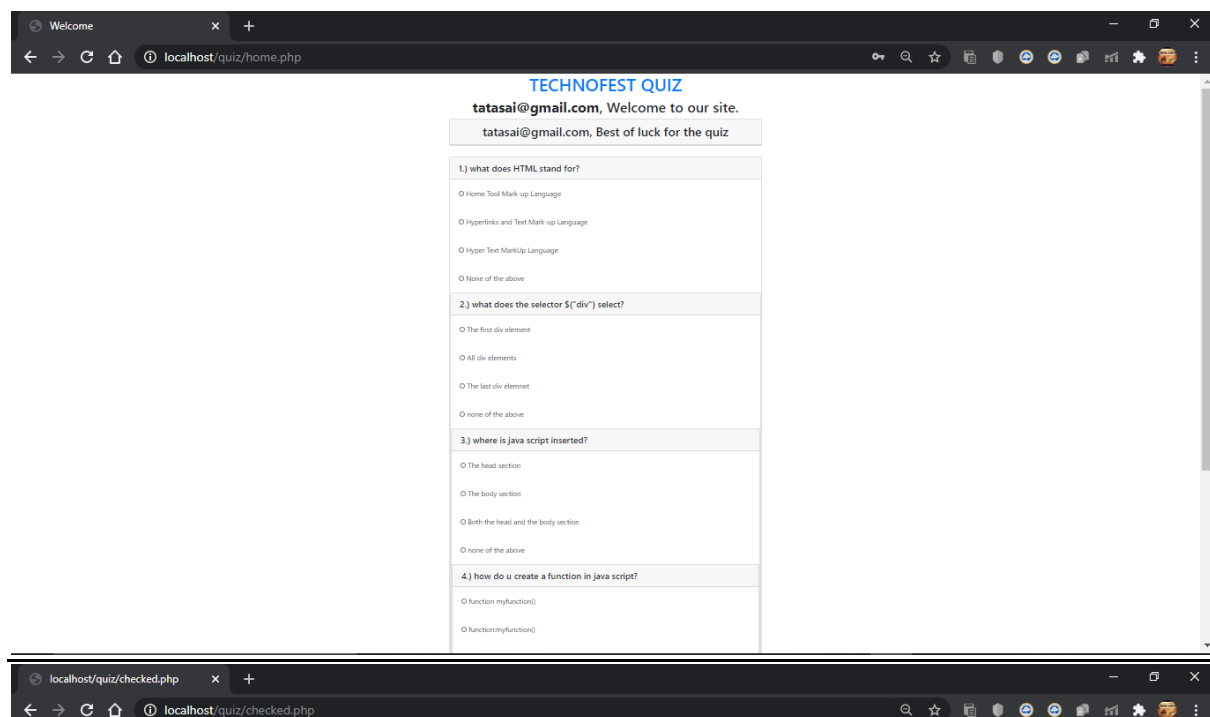


Experiment 10: Design a Quiz page in PHP

Aim: To make a simple Quiz page in PHP

Implementation:

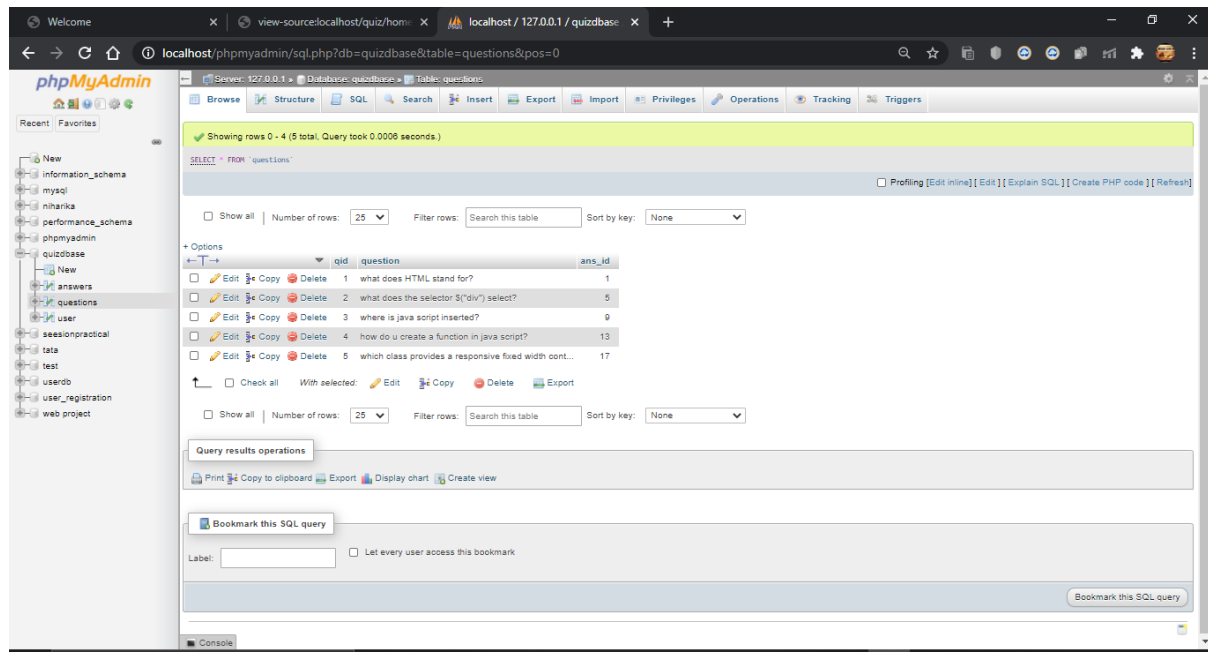
Output:



TECHNOFEST QUIZ

Questions Attempted	Out of 10, you attempted 5 questions
Your Total Score	Your Score is 5.

[LOGOUT](#)



Code:

Config.php

```
<?php

/* Database credentials. Assuming you are running MySQL
server with default setting (user 'root' with no password) */

define('DB_SERVER', 'localhost');

define('DB_USERNAME', 'root');

define('DB_PASSWORD', '');

define('DB_NAME', 'userdb');

/* Attempt to connect to MySQL database */

$link = mysqli_connect(DB_SERVER, DB_USERNAME, DB_PASSWORD, DB_NAME);

// Check connection
if($link === false){

    die("ERROR: Could not connect. " . mysqli_connect_error());

}

?>
```

Login.php

```
<?php

// Initialize the session
session_start();

// Check if the user is already logged in, if yes then redirect him to welcome page
if(isset($_SESSION["loggedin"]) && $_SESSION["loggedin"] === true){
    header("location: home.php");
    exit;
}

// Include config file
require_once "config.php";

// Define variables and initialize with empty values
$username = $password = "";
$username_err = $password_err = "";

// Processing form data when form is submitted
if($_SERVER["REQUEST_METHOD"] == "POST"){

    // Check if username is empty
    if(empty(trim($_POST["username"]))) {
        $username_err = "Please enter username.";
    } else{
        $username = trim($_POST["username"]);
    }

    // Check if password is empty
    if(empty(trim($_POST["password"]))) {
        $password_err = "Please enter your password.";
```



```

        $_SESSION["loggedin"] = true;
        $_SESSION["id"] = $id;
        $_SESSION["username"] = $username;

        // Redirect user to welcome page
        header("location: home.php");
    } else{
        // Display an error message if password is not valid
        $password_err = "The password you entered was not valid.";
    }
}
} else{
    // Display an error message if username doesn't exist
    $username_err = "No account found with that username.";
}
} else{
    echo "Oops! Something went wrong. Please try again later.";
}

// Close statement
mysqli_stmt_close($stmt);
}
}

// Close connection
mysqli_close($link);
}
?>

```

Signup.php

```

<?php
// Include config file

```

```
require_once "config.php";

// Define variables and initialize with empty values
$username = $password = $confirm_password = "";
$username_err = $password_err = $confirm_password_err = "";

// Processing form data when form is submitted
if($_SERVER["REQUEST_METHOD"] == "POST"){

    // Validate username
    if(empty(trim($_POST["username"]))){
        $username_err = "Please enter a username.";
    } else{
        // Prepare a select statement
        $sql = "SELECT id FROM users WHERE username = ?";

        if($stmt = mysqli_prepare($link, $sql)){
            // Bind variables to the prepared statement as parameters
            mysqli_stmt_bind_param($stmt, "s", $param_username);

            // Set parameters
            $param_username = trim($_POST["username"]);

            // Attempt to execute the prepared statement
            if(mysqli_stmt_execute($stmt)){
                /* store result */
                mysqli_stmt_store_result($stmt);

                if(mysqli_stmt_num_rows($stmt) == 1){
                    $username_err = "This username is already taken.";
                } else{
```

```
        $username = trim($_POST["username"]);
    }
} else{
    echo "Oops! Something went wrong. Please try again later.";
}

// Close statement
mysqli_stmt_close($stmt);
}
}

// Validate password
if(empty(trim($_POST["password"]))) {
    $password_err = "Please enter a password.";
} elseif(strlen(trim($_POST["password"])) < 6){
    $password_err = "Password must have atleast 6 characters.";
} else{
    $password = trim($_POST["password"]);
}

// Validate confirm password
if(empty(trim($_POST["confirm_password"]))) {
    $confirm_password_err = "Please confirm password.";
} else{
    $confirm_password = trim($_POST["confirm_password"]);
    if(empty($password_err) && ($password != $confirm_password)){
        $confirm_password_err = "Password did not match.";
    }
}

// Check input errors before inserting in database
```

```

if(empty($username_err) && empty($password_err) && empty($confirm_password_err)){

    // Prepare an insert statement
    $sql = "INSERT INTO users (username, password) VALUES (?, ?)";

    if($stmt = mysqli_prepare($link, $sql)){
        // Bind variables to the prepared statement as parameters
        mysqli_stmt_bind_param($stmt, "ss", $param_username, $param_password);

        // Set parameters
        $param_username = $username;

        $param_password = password_hash($password, PASSWORD_DEFAULT); // Creates a
password hash

        // Attempt to execute the prepared statement
        if(mysqli_stmt_execute($stmt)){
            // Redirect to login page
            header("location: login.php");
        } else{
            echo "Something went wrong. Please try again later.";
        }

        // Close statement
        mysqli_stmt_close($stmt);
    }
}

// Close connection
mysqli_close($link);
}
?>

```


Logout.php

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

// Unset all of the session variables
$_SESSION = array();

// Destroy the session.
session_destroy();

// Redirect to login page
header("location: login.php");
exit;
?>
```

Result: The experiment was successfully completed.