

Practical – 8

Aim: Perform following programs of PHP with database.

Exercise:

1. Create Login module for Student with registration page, login page, welcome page, change password page and logout page. [Note: Student's registration fields Enrollment, Name, Branch, Password, Photo].

Register.php

```
<?php
session_start();
include 'db_connect.php';

if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $enrollment = $_POST['enrollment'];
    $name = $_POST['name'];
    $branch = $_POST['branch'];
    $password = password_hash($_POST['password'], PASSWORD_DEFAULT);

    $photo = $_FILES['photo']['name'];
    $photo_tmp = $_FILES['photo']['tmp_name'];
    $photo_folder = 'uploads/' . $photo;

    if (move_uploaded_file($photo_tmp, $photo_folder)) {
        $sql = "INSERT INTO students (enrollment, name, branch, password, photo) VALUES
('{$enrollment}', '{$name}', '{$branch}', '{$password}', '{$photo_folder}')";
        if (mysqli_query($conn, $sql)) {
            $_SESSION['message'] = "Registration successful!";
            header('Location: login.php');
        } else {
            $_SESSION['message'] = "Error: " . mysqli_error($conn);
        }
    } else {
        $_SESSION['message'] = "Failed to upload photo.";
    }
}

?>

<!DOCTYPE html>
<html lang="en">
```

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Student Registration</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <div class="container">
    <h2>Student Registration</h2>
    <?php
      if (isset($_SESSION['message'])) {
        echo "<p class='error'>" . $_SESSION['message'] . "</p>";
        unset($_SESSION['message']);
      }
    ?>
    <form action="register.php" method="POST" enctype="multipart/form-data">
      <label>Enrollment: </label>
      <input type="text" name="enrollment" required>
      <label>Name: </label>
      <input type="text" name="name" required>
      <label>Branch: </label>
      <select name="branch" required>
        <option value="IT">IT</option>
        <option value="CE">CE</option>
        <option value="IOT">IOT</option>
        <option value="ME">ME</option>
        <option value="EE">EE</option>
      </select>
      <label>Password: </label>
      <input type="password" name="password" required>
      <label>Photo: </label>
      <input type="file" name="photo" required>
      <input type="submit" value="Register">
    </form>
    <a href="login.php">Already have an account? Login here.</a>
  </div>
</body>
</html>
```

Login.php

```
<?php
session_start();
include 'db_connect.php';

if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $enrollment = $_POST['enrollment'];
    $password = $_POST['password'];

    $sql = "SELECT * FROM students WHERE enrollment='$enrollment'";
    $result = mysqli_query($conn, $sql);

    if (mysqli_num_rows($result) == 1) {
        $row = mysqli_fetch_assoc($result);
        if (password_verify($password, $row['password'])) {
            $_SESSION['username'] = $row['name'];
            $_SESSION['enrollment'] = $row['enrollment'];
            header('Location: welcome.php');
        } else {
            $_SESSION['message'] = "Invalid password.";
        }
    } else {
        $_SESSION['message'] = "Invalid enrollment number.";
    }
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Student Login</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <div class="container">
        <h2>Student Login</h2>
        <?php
        if (isset($_SESSION['message'])) {
            echo "<p class='error'>" . $_SESSION['message'] . "</p>";
        }
    </div>

```

```

        unset($_SESSION['message']);
    }
    ?>
    <form action="login.php" method="POST">
        <label>Enrollment: </label>
        <input type="text" name="enrollment" required>
        <label>Password: </label>
        <input type="password" name="password" required>
        <input type="submit" value="Login">
    </form>
    <a href="register.php">Don't have an account? Register here.</a>
</div>
</body>
</html>

```

Logout.php

```

<?php
session_start();
session_destroy();
header('Location: login.php');
exit;
?>

```

edit_profile.php

```

<?php
session_start();
include 'db_connect.php';
if (!isset($_SESSION['username'])) {
    header('Location: login.php');
    exit;
}
$enrollment = $_SESSION['enrollment'];
if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $name = $_POST['name'];
    $branch = $_POST['branch'];
    $current_password = $_POST['current_password'];
    $new_password = !empty($_POST['new_password']) ?
password_hash($_POST['new_password'], PASSWORD_DEFAULT) : null;
    $sql = "SELECT password, photo FROM students WHERE enrollment='$enrollment'";
    $result = mysqli_query($conn, $sql);
    $row = mysqli_fetch_assoc($result);

```

```

if (password_verify($current_password, $row['password'])) {
    $update_password_sql = $new_password ? ", password='$new_password' : """;
    if (!empty($_FILES['photo']['name'])) {
        $photo = $_FILES['photo']['name'];
        $photo_tmp = $_FILES['photo']['tmp_name'];
        $photo_folder = 'uploads/' . $photo;
        if (move_uploaded_file($photo_tmp, $photo_folder)) {
            $photo_sql = ", photo='$photo_folder'";
        } else {
            $_SESSION['message'] = "Failed to upload photo.";
            header('Location: edit_profile.php');
            exit;
        }
    } else {
        $photo_sql = "";
    }
    $update_sql = "UPDATE students SET name='$name', branch='$branch'
$update_password_sql $photo_sql WHERE enrollment='$enrollment'";
    if (mysqli_query($conn, $update_sql)) {
        $_SESSION['message'] = "Profile updated successfully.";
        $_SESSION['username'] = $name; // Update the session username
        header('Location: welcome.php');
        exit;
    } else {
        $_SESSION['message'] = "Error updating profile: " . mysqli_error($conn);
    }
} else {
    $_SESSION['message'] = "Current password is incorrect.";
}
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Edit Profile</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <div class="container">

```

```

<h2>Edit Profile</h2>
<?php
if (isset($_SESSION['message'])) {
    echo "<p class='error'>" . $_SESSION['message'] . "</p>";
    unset($_SESSION['message']);
}
?>
<form action="edit_profile.php" method="POST" enctype="multipart/form-data">
    <label>Name: </label>
    <input type="text" name="name" value="<?php echo
htmlspecialchars($_SESSION['username']); ?>" required>
    <label>Branch: </label>
    <select name="branch" required>
        <option value="IT" <?php echo isset($_SESSION['branch']) &&
$_SESSION['branch'] == 'IT' ? 'selected' : ''; ?>>IT</option>
        <option value="CE" <?php echo isset($_SESSION['branch']) &&
$_SESSION['branch'] == 'CE' ? 'selected' : ''; ?>>CE</option>
        <option value="IOT" <?php echo isset($_SESSION['branch']) &&
$_SESSION['branch'] == 'IOT' ? 'selected' : ''; ?>>IOT</option>
        <option value="ME" <?php echo isset($_SESSION['branch']) &&
$_SESSION['branch'] == 'ME' ? 'selected' : ''; ?>>ME</option>
        <option value="EE" <?php echo isset($_SESSION['branch']) &&
$_SESSION['branch'] == 'EE' ? 'selected' : ''; ?>>EE</option>
    </select>
    <label>Current Password: </label>
    <input type="password" name="current_password" required>
    <label>New Password (leave blank to keep current password): </label>
    <input type="password" name="new_password">
    <label>Photo: </label>
    <input type="file" name="photo">
    <input type="submit" value="Update Profile">
</form>
<a href="welcome.php">Go back</a>
</div>
</body>
</html>

```

Db_connect.php

```

<?php
$servername = "localhost";
$username = "root";

```

```
$password = "";
$dbname = "WT_P7";

// Create connection
$conn = mysqli_connect($servername, $username, $password, $dbname);

// Check connection
if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}
?>
```

Welcome.php

```
<?php
session_start();
include 'db_connect.php';

if (!isset($_SESSION['username'])) {
    header('Location: login.php');
    exit;
}
$enrollment = $_SESSION['enrollment'];
$sql = "SELECT photo FROM students WHERE enrollment='$enrollment'";
$result = mysqli_query($conn, $sql);
$row = mysqli_fetch_assoc($result);
$photo = $row['photo'];
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Welcome</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <div class="container">
        <h2>Welcome, <?php echo htmlspecialchars($_SESSION['username']); ?>!</h2>
        <p>Enrollment: <?php echo htmlspecialchars($_SESSION['enrollment']); ?></p>
        <div class="profile-picture">
             </div>
```

```

<p><a href="edit_profile.php">Edit Profile</a></p>
<p><a href="logout.php">Logout</a></p>
</div>
</body>
</html>

```

Student Registration

Enrollment:

Name:

Branch:

Password:

Photo:

 th.jpeg

[Already have an account? Login here.](#)

Student Login

Enrollment:

Password:

[Don't have an account? Register here.](#)

Edit Profile

Name:

Branch:

Current Password:

New Password (leave blank to keep current password):

Photo:

 No file chosen

[Go back](#)

Welcome, ADESHARA!

Enrollment: 21012021001



[Edit Profile](#)

[Logout](#)

	id	enrollment	name	branch	password	photo
<input type="checkbox"/>	6	21012021001	ADESHARA	IT	\$2y\$10\$ZywYmhYj.IgoCnUfLaX4DO3JmsKbAzuhocTCu0bHZrr...	uploads/th.jpeg

2. Create Admin module to perform update, delete, display records with order by and search operation with Student table. [Note: Same as grid view design].

Admin_login.php

```
<?php
session_start();
include 'db_connect.php';

if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $username = $_POST['username'];
    $password = $_POST['password'];

    $sql = "SELECT * FROM admin WHERE username='$username' AND
password='$password'";
    $result = mysqli_query($conn, $sql);

    if (mysqli_num_rows($result) == 1) {
        $_SESSION['admin'] = $username;
        header('Location: admin_dashboard.php');
    } else {
        $_SESSION['message'] = "Invalid username or password.";
    }
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Admin Login</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <div class="container">
        <h2>Admin Login</h2>
        <?php
        if (isset($_SESSION['message'])) {
            echo "<p class='error'>" . $_SESSION['message'] . "</p>";
            unset($_SESSION['message']);
        }
    </div>

```

```
?>
<form action="admin_login.php" method="POST">
  <label>Username: </label>
  <input type="text" name="username" required>
  <label>Password: </label>
  <input type="password" name="password" required>
  <input type="submit" value="Login">
</form>
</div>
</body>
</html>
```

Admin_dashboard.php

```
<?php
session_start();
include 'db_connect.php';

if (!isset($_SESSION['admin'])) {
  header('Location: admin_login.php');
  exit;
}

$search = "";
if (isset($_GET['search'])) {
  $search = $_GET['search'];
  $sql = "SELECT * FROM students WHERE name LIKE '%$search%' ORDER BY
name";
} else {
  $sql = "SELECT * FROM students ORDER BY name";
}

$result = mysqli_query($conn, $sql);
?>

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Admin Dashboard</title>
  <link rel="stylesheet" href="styles.css">
```

```

</head>
<body>
  <div class="container">
    <h2>Admin Dashboard</h2>
    <form action="admin_dashboard.php" method="GET">
      <input type="text" name="search" placeholder="Search by name" value="<?php
echo $search; ?>">
      <input type="submit" value="Search">
    </form>
    <table>
      <thead>
        <tr>
          <th>Enrollment</th>
          <th>Name</th>
          <th>Branch</th>
          <th>Actions</th>
        </tr>
      </thead>
      <tbody>
        <?php while ($row = mysqli_fetch_assoc($result)) { ?>
          <tr>
            <td><?php echo $row['enrollment']; ?></td>
            <td><?php echo $row['name']; ?></td>
            <td><?php echo $row['branch']; ?></td>
            <td>
              <a href="update_student.php?id=<?php echo $row['id']; ?>">Update</a>
              <a href="delete_student.php?id=<?php echo $row['id']; ?>" onclick="return
confirm('Are you sure you want to delete this record?')">Delete</a>
            </td>
          </tr>
        <?php } ?>
      </tbody>
    </table>
    <a href="admin_logout.php">Logout</a>
  </div>
</body>
</html>

```

Update_student.php

```

<?php
session_start();
include 'db_connect.php';

```

```
if (!isset($_SESSION['admin'])) {
    header('Location: admin_login.php');
    exit;
}

if (isset($_GET['id'])) {
    $id = $_GET['id'];
    $sql = "SELECT * FROM students WHERE id='$id'";
    $result = mysqli_query($conn, $sql);
    $student = mysqli_fetch_assoc($result);

    if ($_SERVER['REQUEST_METHOD'] == 'POST') {
        $name = $_POST['name'];
        $branch = $_POST['branch'];
        $enrollment = $_POST['enrollment'];

        $update_sql = "UPDATE students SET name='$name', branch='$branch',
enrollment='$enrollment' WHERE id='$id'";
        if (mysqli_query($conn, $update_sql)) {
            $_SESSION['message'] = "Record updated successfully.";
            header('Location: admin_dashboard.php');
        } else {
            $_SESSION['message'] = "Error updating record.";
        }
    }
} else {
    header('Location: admin_dashboard.php');
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Update Student</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <div class="container">
        <h2>Update Student</h2>
```

```

<?php
if (isset($_SESSION['message'])) {
    echo "<p class='error'>" . $_SESSION['message'] . "</p>";
    unset($_SESSION['message']);
}
?>

<form action="update_student.php?id=<?php echo $id; ?>" method="POST">
    <label>Name: </label>
    <input type="text" name="name" value="<?php echo $student['name']; ?>" required>
    <label>Branch: </label>
    <select name="branch" required>
        <option value="IT" <?php echo $student['branch'] == 'IT' ? 'selected' : '';
?>>IT</option>
        <option value="CE" <?php echo $student['branch'] == 'CE' ? 'selected' : '';
?>>CE</option>
        <option value="IOT" <?php echo $student['branch'] == 'IOT' ? 'selected' : '';
?>>IOT</option>
    </select>
    <label>Enrollment: </label>
    <input type="text" name="enrollment" value="<?php echo $student['enrollment'];
?>" required>
    <input type="submit" value="Update">
</form>
<a href="admin_dashboard.php">Go back</a>
</div>
</body>
</html>

```

Delete_student.php

```

<?php
session_start();
include 'db_connect.php';

if (!isset($_SESSION['admin'])) {
    header('Location: admin_login.php');
    exit;
}

if (isset($_GET['id'])) {
    $id = $_GET['id'];
    $delete_sql = "DELETE FROM students WHERE id='$id'";
}

```

```
    if (mysqli_query($conn, $delete_sql)) {  
        $_SESSION['message'] = "Record deleted successfully.";  
    } else {  
        $_SESSION['message'] = "Error deleting record.";  
    }  
}  
  
header('Location: admin_dashboard.php');  
?>
```

Db_connect.php

```
<?php  
$servername = "localhost";  
$username = "root";  
$password = "";  
$dbname = "WT_P7";  
  
// Create connection  
$conn = mysqli_connect($servername, $username, $password, $dbname);  
  
// Check connection  
if (!$conn) {  
    die("Connection failed: " . mysqli_connect_error());  
}  
?>
```

Admin_logout.php

```
<?php  
session_start();  
session_destroy();  
header('Location: admin_login.php');  
exit;  
?>
```

Admin Login

Username:

Password:

Login

localhost says

Are you sure you want to delete this record?

OK Cancel

Search by name

Update Student

Name:

Branch:

Enrollment:

Update

Go back

Admin Dashboard

Search by name

Search

Enrollment	Name	Branch	Actions
21012021001	ADESHARA	IT	Update Delete
21012021002	Alice Johnson	IT	Update Delete
21012021003	Bob Smith	CE	Update Delete
21012021004	Charlie Brown	IOT	Update Delete
21012021005	David Wilson	IT	Update Delete
21012021006	Eva Green	CE	Update Delete
21012021007	Frank Wright	IOT	Update Delete
21012021008	Grace Adams	IT	Update Delete
21012021009	Henry Baker	CE	Update Delete
21012021010	Ivy Lee	IOT	Update Delete
21012021011	Jack White	IT	Update Delete

Logout