

## PRACTICAL – 8

**Aim:** Perform following programs of PHP with database.

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]**

**Code:**

### **db\_config.php**

```
<?php
$username = "root";
$password = "";
$host = "localhost";
$dbname = "student_management_system";
$conn = new mysqli($host, $username, $password, $dbname);
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
$sql = "CREATE TABLE IF NOT EXISTS student (
    enrollment VARCHAR(30) NOT NULL PRIMARY KEY,
    name VARCHAR(50) NOT NULL,
    email VARCHAR(50) NOT NULL,
    password VARCHAR(50) NOT NULL,
    branch VARCHAR(50) NOT NULL,
    photo LONGBLOB NOT NULL,
    photo_type VARCHAR(50) NOT NULL
)";
if ($conn->query($sql) === TRUE) {
} else {
    echo "Error creating table: " . $conn->error;
}
?>
```

### **Login\_Student.php**

```
<?php
include_once 'db_config.php';
session_start();
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $email = $_POST["email"];
    $password = $_POST["password"];
    $sql = "SELECT * FROM student WHERE email='$email' AND password='$password'";
    $result = mysqli_query($conn, $sql);
```

```

if ($result && mysqli_num_rows($result) === 1) {
    $_SESSION["login"] = true;
    $_SESSION["email"] = $email;
    header("Location: Welcome_Student.php");
    exit;
} else {
    echo "<div class='alert alert-danger text-center'>Invalid Email or Password!</div>";
}
}
?>
<!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 href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.5/dist/css/bootstrap.min.css"
rel="stylesheet"
integrity="sha384-SgOJa3DmI69IUzQ2PVdRZhwQ+dy64/BUTbMJw1MZ8t5HZApCtHrRKUc4W0kG
879m7" crossorigin="anonymous">
</head>
<body class="d-flex bg-body-tertiary">
    <main class="form-signin w-25 m-auto bg-light p-4 rounded-3 shadow-lg ">
        <form method="POST" action="Login_Student.php">
            <h1 class="h3 mb-3 fw-normal">Student Sign in</h1>
            <div class="form-floating mt-2">
                <input type="email" name="email" class="form-control" id="floatingInput"
placeholder="name@example.com">
                <label for="floatingInput">Email address</label>
            </div>
            <div class="form-floating mt-2">
                <input type="password" name="password" class="form-control" id="floatingPassword"
placeholder="Password">
                <label for="floatingPassword">Password</label>
            </div>
            <button class="btn btn-primary w-100 py-2 mt-2" type="submit">Sign in</button>
            <p class="mt-5 mb-3 text-body-secondary">&copy; 2025-26</p>
            <p class="mt-5 mb-3 text-body-secondary">Don't have an Account <a
href="/Register_Student.php">Register Now</a></p>
        </form>
    </main>

```

```

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.5/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
k6d4wzSlapyDyv1kpU366/PK5hCdSbCRGRCMv+epIQJWyd1fbcAu9OCUj5zNLiq"
crossorigin="anonymous"></script>
</body>
</html>

```

### Register\_Student.php

```

<?php
session_start();
include_once 'db_config.php';
if (isset($_POST['submit'])) {
    $enrollment = $_POST['enrollment'];
    $name = $_POST['name'];
    $email = $_POST['email'];
    $password = $_POST['password']; // Intentionally unhashed for demo
    $branch = $_POST['branch'];
    $photoData = file_get_contents($_FILES['photo']['tmp_name']);
    $photoType = $_FILES['photo']['type'];
    $check = getimagesize($_FILES["photo"]["tmp_name"]);
    if ($check === false) {
        echo "File is not an image.";
        exit;
    }
    $photoData = mysqli_real_escape_string($conn, $photoData);
    $sql = "INSERT INTO student (enrollment, name, email, password, branch, photo, photo_type)
        VALUES ('$enrollment', '$name', '$email', '$password', '$branch', '$photoData',
'$photoType')";
    if (mysqli_query($conn, $sql)) {
        echo "<script>alert('Registration successful!');
window.location.href='Login_Student.php';</script>";
    } else {
        echo "Error: " . mysqli_error($conn);
    }
}
?>
<!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      href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.5/dist/css/bootstrap.min.css"
rel="stylesheet"                                integrity="sha384-
SgOJa3Dml69IUzQ2PvdRZhwQ+dy64/BUtbMJw1MZ8t5HZApChRkUc4W0kG879m7"
crossorigin="anonymous">
</head>
<body class="d-flex bg-body-tertiary">
  <main class="form-signin w-25 m-auto bg-light p-4 rounded-3 shadow-lg">
    <form method="POST" action="" enctype="multipart/form-data">
      <h1 class="h3 mb-3 fw-normal">Student SignUp</h1>
      <div class="form-floating mt-2">
        <input type="text" class="form-control" id="floatingEnrollment" name="enrollment"
placeholder="Enrollment Number" required>
        <label for="floatingEnrollment">Enrollment Number</label>
      </div>
      <div class="form-floating mt-2">
        <input type="text" class="form-control" id="floatingName" name="name"
placeholder="Name" required>
        <label for="floatingName">Name</label>
      </div>
      <div class="form-floating mt-2">
        <input type="email" class="form-control" id="floatingInput" name="email"
placeholder="name@example.com" required>
        <label for="floatingInput">Email address</label>
      </div>
      <div class="form-floating mt-2">
        <input type="password" class="form-control" id="floatingPassword" name="password"
placeholder="Password" required>
        <label for="floatingPassword">Password</label>
      </div>
      <div class="mt-2">
        <label for="branch" name="branch" class="form-label">Branch</label>
        <select class="form-select" name="branch" id="branch">
          <option value="CSE">CSE</option>
          <option value="IT">IT</option>
          <option value="CE">CE</option>
          <option value="AI">AI</option>
        </select>
      </div>
      <div class="mt-2">
        <label for="floatingPhoto" class="form-label">Upload Photo</label>

```

```

        <input type="file" class="form-control" id="floatingPhoto" name="photo" required>
    </div>
    <button class="btn btn-primary w-100 py-2 mt-2" type="submit" name="submit">Sign
Up</button>
    <p class="mt-3 mb-3 text-body-secondary">&copy; 2025-26</p>
</form>
</main>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.5/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
k6d4wzSlapyDyv1kpU366/PK5hCdSbCRGRcmv+epIQJWyd1fbcAu9OCUj5zNLiq"
crossorigin="anonymous"></script>
</body>
</html>

```

### Welcome\_Student.php

```

<?php
session_start();
include_once 'db_config.php';
if (!isset($_SESSION['email'])) {
    header("Location: Login_Student.php");
    exit();
}
$email = $_SESSION['email'];
$sql = "SELECT * FROM student WHERE email = '$email'";
$result = mysqli_query($conn, $sql);
$student = mysqli_fetch_assoc($result);
if (!$student) {
    echo "User not found!";
    exit();
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Student Dashboard</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.5/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body>
<div class="sidebar">

```

```

<h4 class="text-center mb-4">Student Panel</h4>
<a href="#">Dashboard</a>
<a href="ChangePassword_Student.php">Change Password</a>
<a href="Logout_Student.php" class="text-danger">Logout</a>
</div>
<div class="main-content">
  <div class="header d-flex justify-content-between align-items-center">
    <h4 class="mb-0">Welcome, <?php echo htmlspecialchars($student['name']); ?> <img alt="User Profile Icon" data-bbox="798 233 818 250"/></h4>
    <span class="text-muted"><?php echo htmlspecialchars($student['email']); ?></span>
  </div>
  <div class="dashboard-content">
    <div class="row g-4 align-items-start">
      <div class="col-md-4">
        
      </div>
      <div class="col-md-8">
        <h5>Student Information</h5>
        <p><strong>Enrollment:</strong> <?php echo htmlspecialchars($student['enrollment']); ?></p>
        <p><strong>Branch:</strong> <?php echo htmlspecialchars($student['branch']); ?></p>
        <p><strong>Email:</strong> <?php echo htmlspecialchars($student['email']); ?></p>
      </div>
    </div>
  </div>
</div>
</body>
</html>

```

### ChangePassword\_student.php

```

<?php
session_start();
include_once 'db_config.php';
if (!isset($_SESSION['email'])) {
  header("Location: Login_Student.php");
  exit();
}
if (isset($_POST['submit'])) {
  $email = $_SESSION['email'];

```

```

$current = $_POST['current_password'];
$new = $_POST['new_password'];
$confirm = $_POST['confirm_password'];
$sql = "SELECT password FROM student WHERE email = '$email'";
$result = mysqli_query($conn, $sql);
$row = mysqli_fetch_assoc($result);
if ($row && $row['password'] == $current) {
    if ($new == $confirm) {
        $update = "UPDATE student SET password = '$new' WHERE email = '$email'";
        if (mysqli_query($conn, $update)) {
            echo "<script>alert('Password changed successfully!');
window.location.href='welcome_student.php';</script>";
        } else {
            echo "Error updating password: " . mysqli_error($conn);
        }
    } else {
        echo "<script>alert('New passwords do not match!');</script>";
    }
} else {
    echo "<script>alert('Current password is incorrect!');</script>";
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Change Password</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.5/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body class="bg-light">
<div class="container mt-5">
    <div class="card shadow p-4">
        <h3>Change Password</h3>
        <form method="POST">
            <div class="mb-3">
                <label class="form-label">Current Password</label>
                <input type="password" name="current_password" class="form-control" required>
            </div>
            <div class="mb-3">

```

```

        <label class="form-label">New Password</label>
        <input type="password" name="new_password" class="form-control" required>
    </div>
    <div class="mb-3">
        <label class="form-label">Confirm New Password</label>
        <input type="password" name="confirm_password" class="form-control" required>
    </div>
    <button type="submit" name="submit" class="btn btn-primary">Update
Password</button>
    <a href="welcome_student.php" class="btn btn-secondary ms-2">Cancel</a>
</form>
</div>
</div>
</body>
</html>

```

### Logout\_Student.php

```

<?php
session_start();
session_destroy();
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Logout</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.5/dist/css/bootstrap.min.css"
rel="stylesheet">
    <script>
        setTimeout(() => {
            window.location.href = "Login_Student.php";
        }, 3000);
    </script>
</head>
<body class="bg-white text-light">
    <div class="text-center p-5 rounded-3 bg-dark bg-opacity-75 shadow-lg">
        <h1>✔</h1>
        <h1>Logout Successful</h1>
        <h3>You have been logged out successfully.</h3>
    </div>

```



```
<h3>Redirecting to login page in few seconds...</h3>
</div>
</body>
</html>
```

**Output:**

### Student SignUp

Enrollment Number  
21

Name  
DHRUV SHERE

Email address  
23012022021@gnu.ac.in

Password  
.....

Branch  
IT

Upload Photo  
Choose File lion-1236169\_1920.jpg

Sign Up

© 2025-26

### Student Sign in

Email address  
23012022021@gnu.ac.in

Password  
.....

Sign in

© 2025-26

Don't have an Account [Register Now](#)


Student Panel

Dashboard

Change Password

Logout

Welcome, DHRUV SHERE



Student Information

Enrollment: 21

Branch: IT

Email: 23012022021@gnu.ac.in

23012022021@gnu.ac.in

### Change Password

Current Password

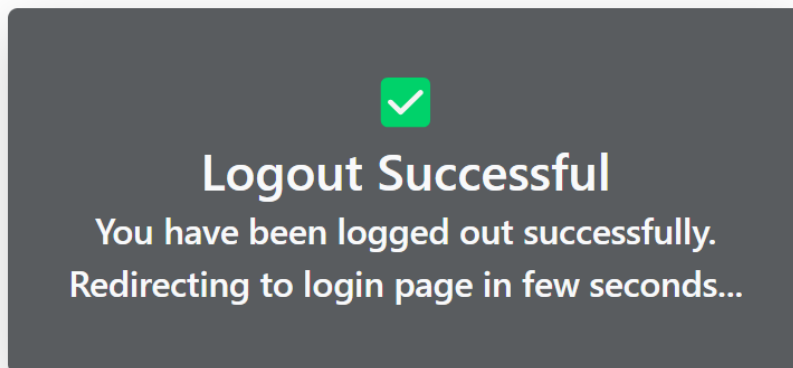
New Password

Confirm New Password

Update PasswordCancel



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]

**Code:**

**StudentView\_Admin.php**

```
<?php
include_once 'db_config.php';
$search = $_GET['search'] ?? '';
$order_by = $_GET['order_by'] ?? 'enrollment';
$order = $_GET['order'] ?? 'ASC';
$sql = "SELECT * FROM student
        WHERE name LIKE '%$search%' OR email LIKE '%$search%'
        ORDER BY $order_by $order";
$result = mysqli_query($conn, $sql);
?>

<!DOCTYPE html>
<html>
```

```

<head>
  <title>Admin - Student Records</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.5/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body class="p-4 bg-light">
<div class="container bg-white p-4 rounded shadow">
  <h2 class="mb-4">📖 Student Records - Admin Panel</h2>
  <form method="get" class="row g-3 mb-3">
    <div class="col-md-6">
      <input type="text" name="search" class="form-control" placeholder="Search by name or
email" value="<?= htmlspecialchars($search) ?>">
    </div>
    <div class="col-md-3">
      <select name="order_by" class="form-select">
        <option value="enrollment">Enrollment</option>
        <option value="name">Name</option>
        <option value="branch">Branch</option>
      </select>
    </div>
    <div class="col-md-2">
      <select name="order" class="form-select">
        <option value="ASC">Ascending</option>
        <option value="DESC">Descending</option>
      </select>
    </div>
    <div class="col-md-1">
      <button class="btn btn-primary w-100">Search</button>
    </div>
  </form>
  <table class="table table-bordered table-striped">
    <thead class="table-dark">
      <tr>
        <th>Enrollment</th>
        <th>Name</th>
        <th>Email</th>
        <th>Branch</th>
        <th>Photo</th>
        <th>Actions</th>
      </tr>
    </thead>
  </table>

```

```

</thead>
<tbody>
  <?php while($row = mysqli_fetch_assoc($result)) { ?>
    <tr>
      <td><?= htmlspecialchars($row['enrollment']) ?></td>
      <td><?= htmlspecialchars($row['name']) ?></td>
      <td><?= htmlspecialchars($row['email']) ?></td>
      <td><?= htmlspecialchars($row['branch']) ?></td>
      <td></td>
      <td>
        <a href="StudentUpdate_Admin.php?enrollment=<?= $row['enrollment'] ?>"
class="btn btn-sm btn-warning">Edit</a>
        <a href="StudentDelete_Admin.php?enrollment=<?= $row['enrollment'] ?>"
class="btn btn-sm btn-danger" onclick="return confirm('Are you sure to delete?')">Delete</a>
      </td>
    </tr>
  <?php } ?>
</tbody>
</table>
</div>
</body>
</html>

```

### StudentUpdate\_Admin.php

```

<?php
include 'db_config.php';
$enrollment = $_GET['enrollment'] ?? '';
$sql = "SELECT * FROM student WHERE enrollment = '$enrollment'";
$result = mysqli_query($conn, $sql);
$student = mysqli_fetch_assoc($result);
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = $_POST['name'];
    $branch = $_POST['branch'];
    $update_sql = "UPDATE student SET name='$name', branch='$branch' WHERE
enrollment='$enrollment'";
    mysqli_query($conn, $update_sql);
    header("Location: StudentView_Admin.php");
    exit();
}
?>

```

```

<!DOCTYPE html>
<html>
<head>
    <title>Edit Student</title>
    <link      href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.5/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body class="bg-light p-5">
<div class="container bg-white p-4 rounded shadow">
    <h2>Edit Student</h2>
    <form method="post">
        <div class="mb-3">
            <label>Enrollment</label>
            <input      type="text"      class="form-control"      value="<?=
htmlspecialchars($student['enrollment']) ?>" disabled>
        </div>
        <div class="mb-3">
            <label>Name</label>
            <input      type="text"      name="name"      class="form-control"      value="<?=
htmlspecialchars($student['name']) ?>" required>
        </div>
        <div class="mb-3">
            <label>Branch</label>
            <input      type="text"      name="branch"      class="form-control"      value="<?=
htmlspecialchars($student['branch']) ?>" required>
        </div>
        <button type="submit" class="btn btn-success">Update</button>
        <a href="Admin_Student_List.php" class="btn btn-secondary">Cancel</a>
    </form>
</div>
</body>
</html>

```

### StudentDelete\_Admin.php

```

<?php
include 'db_config.php';
if (isset($_GET['enrollment'])) {
    $enrollment = $_GET['enrollment'];
    $sql = "DELETE FROM student WHERE enrollment = '$enrollment'";
    mysqli_query($conn, $sql);
}

```

```

}
header("Location: StudentView_Admin.php");
exit();
?>

```

**Output:**

**Student Records - Admin Panel**

Enrollment
▼

Ascending
▼

Enrollment	Name	Email	Branch	Photo	Actions
21	DHRUV SHERE	23012022021@gnu.ac.in	IT		<input type="button" value="Edit"/> <input type="button" value="Delete"/>
23012022021	Dhruv Shere	sheredhruv@gmail.com	IT		<input type="button" value="Edit"/> <input type="button" value="Delete"/>

### Edit Student

Enrollment

21

Name

DHRUV SHERE

Branch

IT

**Student Records - Admin Panel**

Enrollment
▼

Ascending
▼

Enrollment	Name	Email	Branch	Photo	Actions
21	DHRUV SHERE	23012022021@gnu.ac.in	IT		<input type="button" value="Edit"/> <input type="button" value="Delete"/>
23012022021	Dhruv Shere	sheredhruv@gmail.com	IT		<input type="button" value="Edit"/> <input type="button" value="Delete"/>

**Student Records - Admin Panel**

Enrollment
▼

Ascending
▼

Enrollment	Name	Email	Branch	Photo	Actions
21	DHRUV SHERE	23012022021@gnu.ac.in	IT		<input type="button" value="Edit"/> <input type="button" value="Delete"/>