

## Experiment 12

Program on PHP to connect MySQL database for CRUD operations

Main.php

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>CRUD</title>
  <link rel="stylesheet" href="main.css">
</head>
<body>
  <h1>CRUD Operations</h1>

  <div style="display:flex; justify-content: center;text-align: center;">
    <div class="container">
      <form action="create.php" method="get">
        <button type="submit">Create</button>
      </form>
      <form action="read.php" method="get">
        <button type="submit">Read</button>
      </form>
      <form action="update.php" method="get">
        <button type="submit">Update</button>
      </form>
      <form action="delete.php" method="get">
        <button type="submit">Delete</button>
      </form>
    </div>
  </div>

</body>
</html>
```

Main.css

```
* {
  margin :0;
```

```
padding: 0;
font-family: Georgia, 'Times New Roman', Times, serif;
}

body{
width: 100%;
height: 100%;
justify-content: center;
text-align: center;
}

h1 {
text-align: center;
margin-top: 25px;
text-transform: uppercase;
margin-top: 100px;
}

.container{
background-color: rgb(209, 209, 209);
height: 500px;
width: 450px;
display: flex; /* Use flex */
flex-direction: column; /* Arrange children in a column */
justify-content: center; /* Center the buttons vertically */
align-items: center; /* Center the buttons horizontally */
padding: 20px;
gap: 50px;
margin-top: 50px;
border-radius: 20px;
}

button {
height: 50px;
width: 100%;
font-size: 20px;
border-radius: 20px;
padding: 0px 20px;
/* border: none; */
background-color: rgb(52, 143, 248);
```

```
}
```

## Create.php

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

  <form action="" method="post">
    <div class="form">
      <h1>Registration</h1>
      <label for="name">Name</label>
      <input type="text" name="name" placeholder="Enter your name"
required>

      <label for="email">Email</label>
      <input type="email" name="email" placeholder="Enter your email"
required>

      <label for="password">Password</label>
      <input type="password" name="password" placeholder="Enter your
password" required>

      <label>Gender</label> <br>
      <input type="radio" name="gender" value="Male" required>
      <label for="Male">Male</label>
      <input type="radio" name="gender" value="Female" required>
      <label for="Female">Female</label> <br>

      <button name="submit">Register</button>
    </div>
```

```
</form>

<?php
if (isset($_POST['submit'])) {

    $servername = "localhost";
    $username = "root";
    $password_db = "";
    $dbname = "register";

    $conn = mysqli_connect($servername, $username, $password_db,
$dbname);

    if ($conn->connect_error) {
        die("Connection failed: " . $conn->connect_error);
    }

    $name = $_POST['name'];
    $email = $_POST['email'];
    $password = $_POST['password'];
    $gender = $_POST['gender'];

    $sql = "INSERT INTO `student` (`ID`, `Name`, `Email`, `Password`,
`Gender`) VALUES (NULL, '$name', '$email', '$password', '$gender')";

    $res = mysqli_query($conn,$sql);

    if ($res) {
        echo "<div class='result'>";
        echo "<h2>Registration Successful!</h2>";
        echo "Name: $name <br>";
        echo "Email: $email <br>";
        echo "Gender: $gender <br>";
        echo "</div>";
    } else {
        echo "Error: " . $sql . "<br>" . $conn->error;
    }
}
```

```

    }

    $conn->close();
}
?>

</body>
</html>

```

## Create.css

```

body {
    font-family: Arial, sans-serif;
    background-color: #f4f4f4;
    color: #333;
    padding: 0; /* Remove padding */
    margin: 0; /* Remove default margin */
    height: 100vh; /* Full height */
    display: flex; /* Use flexbox */
    justify-content: center; /* Center horizontally */
    align-items: center; /* Center vertically */
}

form {
    background-color: #fff;
    padding: 20px;
    border-radius: 5px;
    box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
    width: 400px; /* Set a specific width */
}

input[type="text"], input[type="email"], input[type="password"] {
    width: 100%; /* Full width */
    padding: 10px;
    margin: 10px 0;
    border: 1px solid #ccc;
    border-radius: 4px;
}

```

```

.form{
    padding: 10px 20px;
}

input[type="radio"] {
    margin-right: 5px;
    margin-top: 10px; /* Space between radio button and label */
}

button {
    padding: 10px 15px;
    background-color: #8933eb;
    color: white;
    border: none;
    border-radius: 4px;
    cursor: pointer;
    margin-top: 20px;
    width: 100%;
}

button:hover {
    background-color: #006e7c;
}

.result {
    margin-top: 20px;
    margin-left: 50px;
    padding: 15px;
    border: 1px solid #ccc;
    background-color: #fff;
    display: inline-block;
}

```

## Read.php

```

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

```

```
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Read Student Data</title>
<style>
  body {
    font-family: Arial, sans-serif;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    margin: 0;
    background-color: #f4f4f4;
  }
  h1 {
    text-align: center;
    margin-bottom: 20px;
  }
  table {
    border-collapse: collapse;
    width: 80%;
    margin: 0 auto;
    background-color: #fff;
    box-shadow: 0 2px 8px rgba(0, 0, 0, 0.1);
  }
  th, td {
    border: 1px solid #ddd;
    padding: 12px;
    text-align: center;
  }
  th {
    background-color: #4CAF50;
    color: white;
  }
  tr:nth-child(even) {
    background-color: #f2f2f2;
  }
</style>
</head>
<body>
```

```
<div>
    <h1>Student Data</h1>

    <?php

        $servername = "localhost";
        $username = "root";
        $password_db = "";
        $dbname = "register";

        $conn = mysqli_connect($servername, $username, $password_db,
$dbname) ;

        if (!$conn) {
            die("Connection failed: " . mysqli_connect_error());
        }

        $sql = "SELECT id, name, email, gender FROM student";
        $result = mysqli_query($conn, $sql);

        if (mysqli_num_rows($result) > 0) {

            echo "<table>";
            echo
"<tr><th>ID</th><th>Name</th><th>Email</th><th>Gender</th></tr>";

            while ($row = mysqli_fetch_assoc($result)) {
                echo "<tr>";
                echo "<td>" . $row["id"] . "</td>";
                echo "<td>" . $row["name"] . "</td>";
                echo "<td>" . $row["email"] . "</td>";
                echo "<td>" . $row["gender"] . "</td>";
                echo "</tr>";
            }

            echo "</table>";
```



```

        } else {
            echo "<p>No records found.</p>";
        }

        mysqli_close($conn);
    ?>
</div>

</body>
</html>

```

## Update.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="create.css">
    <!-- <style>
        body {
            font-family: Arial, sans-serif;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            margin: 0;
            background-color: #f4f4f4;
        }
        form {
            background-color: #fff;
            padding: 20px;
            box-shadow: 0 2px 8px rgba(0, 0, 0, 0.1);
            width: 300px;
        }
        input, button {
            margin: 10px 0;

```

```

        width: 100%;
        padding: 10px;
    }
</style> -->
</head>
<body>
<form action="" method="post">
    <div class="form">
        <h1>Upadte Data</h1>

        <label for="email">Enter Email to Update</label>
        <input type="email" name="email" placeholder="Enter your email"
required>

        <label for="name">Name</label>
        <input type="text" name="name" placeholder="Enter your name"
required>

        <label for="password">Password</label>
        <input type="password" name="password" placeholder="Enter your
password" required>

        <label>Gender</label> <br>
        <input type="radio" name="gender" value="Male" required>
        <label for="Male">Male</label>
        <input type="radio" name="gender" value="Female" required>
        <label for="Female">Female</label> <br>

        <button name="update">update</button>
    </div>
</form>

<?php
if (isset($_POST['update'])) {

    $servername = "localhost";
    $username = "root";
    $password_db = "";

```

```

$dbname = "register";

$conn = new mysqli($servername, $username, $password_db, $dbname);

if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$email = htmlspecialchars($_POST['email']);
$name = htmlspecialchars($_POST['name']);
$password = htmlspecialchars($_POST['password']);
$gender = htmlspecialchars($_POST['gender']);

$sql = "UPDATE student SET name='$name', password='$password',
gender='$gender' WHERE email='$email'";

if ($conn->query($sql) === TRUE) {
    echo "<div class='result'>";
    echo "<h2>Record updated successfully.</h2>";
    echo "</div>";
} else {
    echo "<div class='result'>";
    echo "<h2>Error updating record: " . $conn->error . "</h2>";
    echo "</div>";
}

$conn->close();
}
?>
</body>
</html>

```

Delete.php

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Delete Student Data</title>
  <link rel="stylesheet" href="create.css">
</head>
<body>
<form method="POST" action="">
<div class="form">
  <h1>Delete Data</h1>

  <label for="email">Enter Email to Update</label>
  <input type="email" name="email" placeholder="Enter your email"
required>

  <button name="delete">Delete</button>
</div>
</form>

<?php
if (isset($_POST['delete'])) {

  $servername = "localhost";
  $username = "root";
  $password_db = "";
  $dbname = "register";

  $conn = new mysqli($servername, $username, $password_db, $dbname);

  if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
  }

  $email = htmlspecialchars($_POST['email']);
```

```
$sql = "DELETE FROM student WHERE Email='$email'";

if ($conn->query($sql) === TRUE) {
    echo "<div class='result'>";
    echo "<h2>Record deleted successfully.</h2>";
    echo "</div>";
} else {
    echo "<div class='result'>";
    echo "<h2>Error deleting record: " . $conn->error . "</h2>";
    echo "</div>";
}

$conn->close();
}
?>

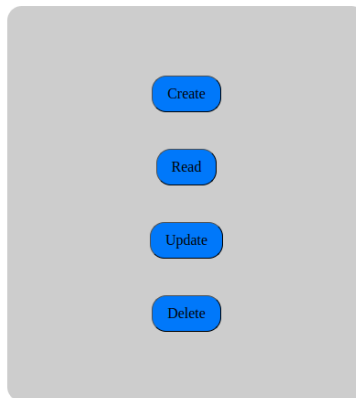
</body>
</html>
```

Output:

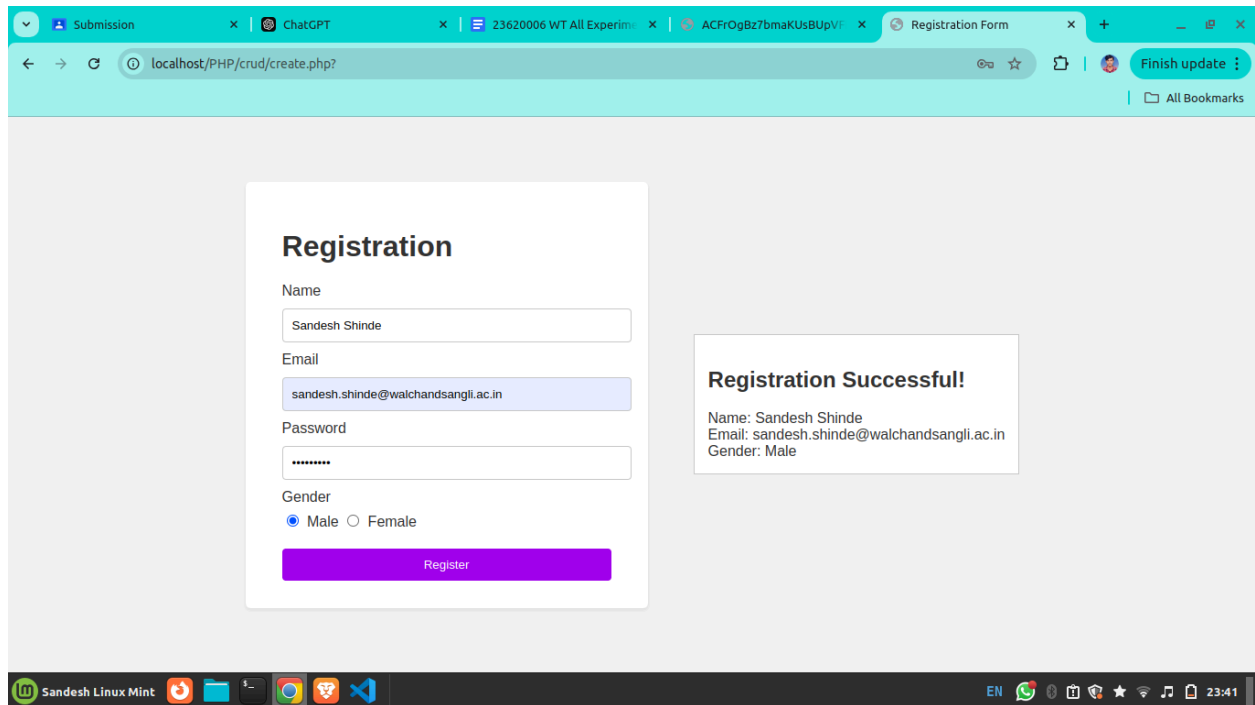
1. Main:



## CRUD OPERATIONS



## 2. create:



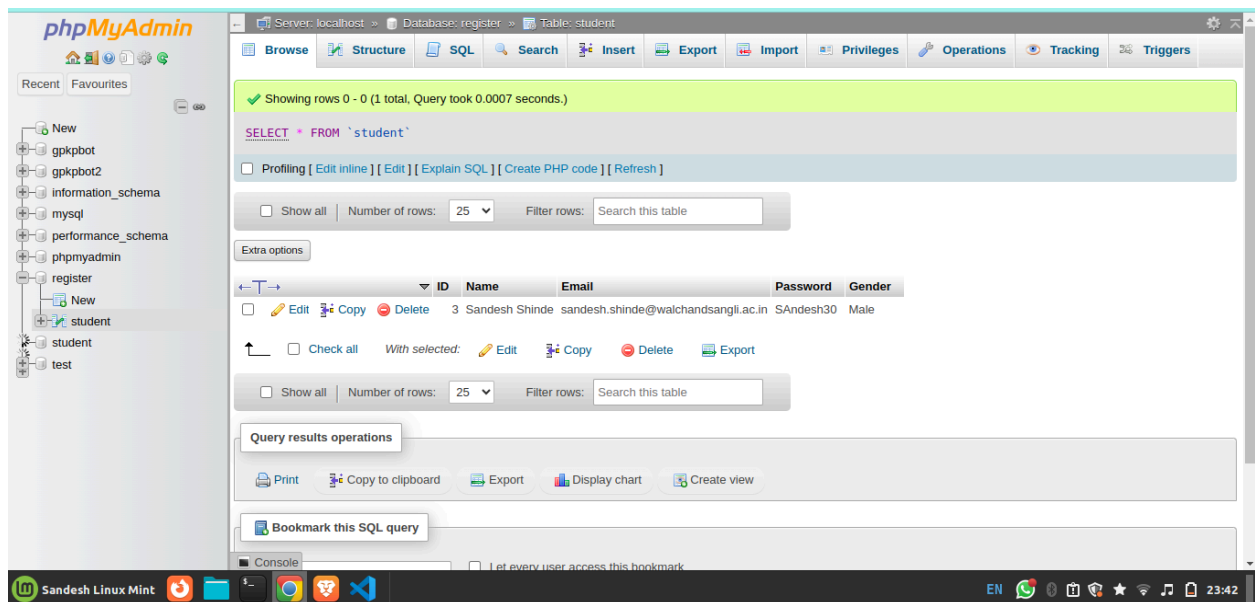
The screenshot shows a web browser window with the address bar displaying `localhost/PHP/crud/create.php?`. The page contains a registration form and a success message.

**Registration Form:**

- Name: Sandesh Shinde
- Email: sandesh.shinde@walchandsangli.ac.in
- Password: \*\*\*\*\*
- Gender: ☒ Male ☐ Female
- Register button

**Registration Successful!**

Name: Sandesh Shinde  
Email: sandesh.shinde@walchandsangli.ac.in  
Gender: Male



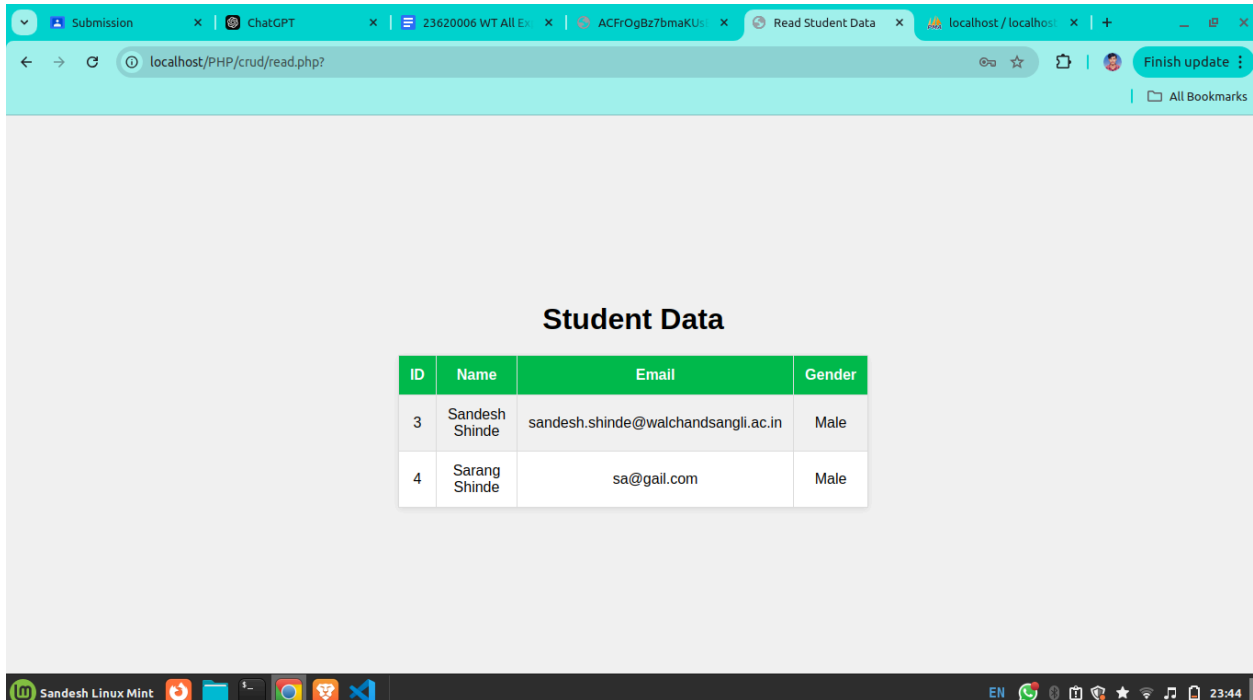
The screenshot shows the phpMyAdmin interface. The left sidebar displays the database structure, including the 'student' table. The main area shows the 'student' table with the following data:

ID	Name	Email	Password	Gender
3	Sandesh Shinde	sandesh.shinde@walchandsangli.ac.in	SAndesh30	Male

Query results operations: Print, Copy to clipboard, Export, Display chart, Create view

Bookmark this SQL query

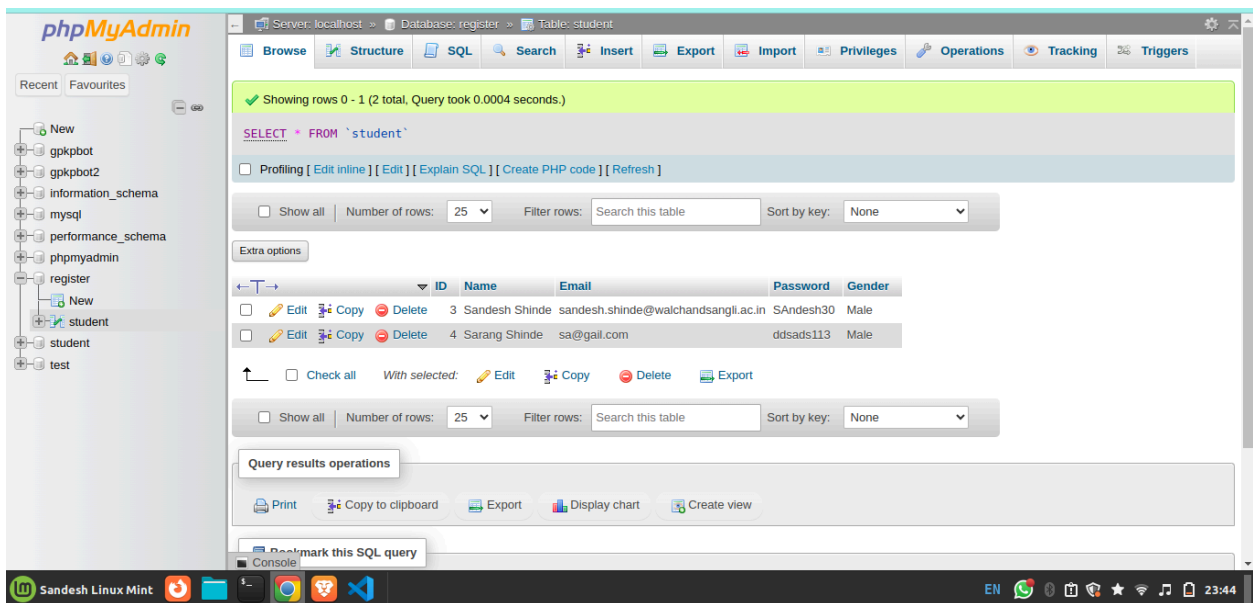
### 3. Read :



The screenshot shows a web browser window with the address bar displaying 'localhost/PHP/crud/read.php?'. The page content is titled 'Student Data' and displays a table with the following data:

ID	Name	Email	Gender
3	Sandesh Shinde	sandesh.shinde@walchandsangli.ac.in	Male
4	Sarang Shinde	sa@gail.com	Male

The browser's taskbar at the bottom shows the 'Sandesh Linux Mint' logo and various system icons, including network, volume, and battery status, with the time 23:44.



The screenshot shows the phpMyAdmin interface. The left sidebar displays a tree view of databases and tables, with 'student' selected under the 'register' database. The main panel shows the 'student' table structure and data. The table has the following columns: ID, Name, Email, Password, and Gender. The data is as follows:

ID	Name	Email	Password	Gender
3	Sandesh Shinde	sandesh.shinde@walchandsangli.ac.in	Sandesh30	Male
4	Sarang Shinde	sa@gail.com	ddsads113	Male

The interface includes various tools like 'Browse', 'Structure', 'SQL', 'Search', 'Insert', 'Export', 'Import', 'Privileges', 'Operations', 'Tracking', and 'Triggers'. The 'SQL' tab is active, showing the query 'SELECT \* FROM `student`'. The 'Query results operations' section at the bottom includes options like 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'.



#### 4. Update:

Submission | ChatGPT | 23620006 WT All E... | ACFR0gBz7bmaKU... | Update Student | localhost/localhost | +

localhost/PHP/crud/update.php? Finish update | All Bookmarks

### Upadte Data

Enter Email to Update

sa@gail.com

Name

san max

Password

....

Gender

☐ Male ☒ Female

update

Record updated successfully.!

Sandesh Linux Mint | 23:45

phpMyAdmin

Server: localhost > Database: register > Table: student

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Tracking | Triggers

Recent | Favourites

- New
- gpkpbot
- gpkpbot2
- information\_schema
- mysql
- performance\_schema
- phpmyadmin
- register
  - New
  - student
  - student
  - test

Showing rows 0 - 1 (2 total, Query took 0.0003 seconds.)

SELECT \* FROM `student`

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	ID	Name	Email	Password	Gender
<input type="checkbox"/> Edit Copy Delete	3	Sandesh Shinde	sandesh.shinde@walchandsangli.ac.in	SAndesh30	Male
<input type="checkbox"/> Edit Copy Delete	4	san max	sa@gail.com	1234	Female

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

Print | Copy to clipboard | Export | Display chart | Create view

mark this SQL query

Sandesh Linux Mint | 23:45

## 5. Delete:

