

FSD WORKSHOP-6

db.php

```
<?php
```

```
$host = "localhost";
```

```
$user = "root";
```

```
$pass = "";
```

```
$dbname = "school_db";
```

```
try {
```

```
    $conn = new PDO("mysql:host=$host;dbname=$dbname", $user,  
$pass);
```

```
    $conn->setAttribute(PDO::ATTR_ERRMODE,  
PDO::ERRMODE_EXCEPTION);
```

```
    echo "Database connected successfully!";
```

```
} catch(PDOException $e) {
```

```
    echo "Connection failed: " . $e->getMessage();
```

```
}
```

```
?>
```

index.php

```
<?php include 'db.php'; ?>

<!DOCTYPE html>

<html>

<head>

    <title>Student List CRUD</title>

    <style>

        body {

            font-family: Arial, sans-serif;

            background: #f4f6f9;

            margin: 0;

            padding: 20px;

        }

        h2, h3 {

            text-align: center;

            color: #333;

        }

        form {

            width: 50%;

            margin: 20px auto;

            background: #fff;

            padding: 20px;
```

```
border-radius: 6px;
box-shadow: 0 2px 6px rgba(0,0,0,0.1);
}
form input {
  width: 95%;
  padding: 10px;
  margin: 8px 0;
  border: 1px solid #ccc;
  border-radius: 4px;
}
form button {
  width: 100%;
  padding: 10px;
  background: #28a745;
  border: none;
  color: white;
  font-size: 16px;
  border-radius: 4px;
}
form button:hover {
  background: #218838;
}
table {
```

```
width: 80%;
margin: 0 auto;
border-collapse: collapse;
background: #fff;
box-shadow: 0 2px 6px rgba(0,0,0,0.1);
}

table th, table td {
    padding: 12px;
    border: 1px solid #ddd;
    text-align: center;
}

table th {
    background: #007bff;
    color: white;
}

a {
    padding: 6px 12px;
    margin: 2px;
    text-decoration: none;
    border-radius: 4px;
    font-size: 14px;
    background: #007bff;
    color: white;
```

```

    }
    a:hover {
        background: #0056b3;
    }
</style>
</head>
<body>
    <h2>Student List Application</h2>
    <form method="POST" action="">
        <h3>Add New Student</h3>
        <input type="text" name="name" placeholder="Enter Name"
required>
        <input type="email" name="email" placeholder="Enter Email"
required>
        <input type="text" name="course" placeholder="Enter Course"
required>
        <button type="submit" name="add">Add Student</button>
    </form>
    <?php
// Handle Add Student
if(isset($_POST['add'])) {
    $stmt = $conn->prepare("INSERT INTO students (name, email,
course) VALUES (?, ?, ?)");

```

```
$stmt->execute([$_POST['name'], $_POST['email'],  
$_POST['course']]);
```

```
echo "<p style='text-align:center;color:green;'>✔ Student added  
successfully!</p>";
```

```
}
```

```
?>
```

```
<!-- Display Students -->
```

```
<h3>All Students</h3>
```

```
<table>
```

```
    <tr>
```

```
<th>ID</th><th>Name</th><th>Email</th><th>Course</th><th>Actions  
</th>
```

```
</tr>
```

```
<?php
```

```
$stmt = $conn->query("SELECT * FROM students");
```

```
while($row = $stmt->fetch(PDO::FETCH_ASSOC)){
```

```
    echo "<tr>
```

```
        <td>{$row['id']}</td>
```

```
        <td>{$row['name']}</td>
```

```
        <td>{$row['email']}</td>
```

```
        <td>{$row['course']}</td>
```

```
        <td>
```

```
            <a href='index.php?edit={$row['id']}'>Edit</a>
```

```

        <a href='index.php?delete={$row['id']}'>Delete</a>
    </td>
</tr>";
}
?>
</table>
<?php
// Handles Delete Action
if(isset($_GET['delete'])) {
    $id = $_GET['delete'];
    $stmt = $conn->prepare("DELETE FROM students WHERE id=?");
    $stmt->execute([$id]);

    echo "<p style='text-align:center;color:red;'>✖ Student
deleted!</p>";

    header("Refresh:0; url=index.php"); // refresh page
}

// Handles Edit Action
if(isset($_GET['edit'])) {
    $id = $_GET['edit'];
    $stmt = $conn->prepare("SELECT * FROM students WHERE id=?");
    $stmt->execute([$id]);
    $student = $stmt->fetch(PDO::FETCH_ASSOC);
    echo "<form method='POST' action='" style='margin-top:20px;'>

```

```

        <h3>Edit Student</h3>
        <input type='text' name='name' value='{$student['name']}'
required>
        <input type='email' name='email' value='{$student['email']}'
required>
        <input type='text' name='course' value='{$student['course']}'
required>
        <button type='submit' name='update'>Update
Student</button>
    </form>";

    // Handels Edit Action
    if(isset($_POST['update'])) {
        $stmt = $conn->prepare("UPDATE students SET name=?, email=?,
course=? WHERE id=?");
        $stmt->execute([$_POST['name'], $_POST['email'],
$_POST['course'], $id]);
        echo "<p style='text-align:center;color:blue;'> Student
updated!</p>";
        exit;
    }
}

?>
</body>
</html>

```


OUTPUT:

Database connected successfully!

Student List Application

Add New Student

Enter Name

Enter Email

Enter Course

Add Student

All Students

| ID | Name | Email | Course | Actions |
|----|-----------------|-----------------------------|------------------|-----------------------|
| 1 | Alice Johnson | alice@example.com | Computer Science | <div>EditDelete</div> |
| 2 | Bob Smith | bob@example.com | Mathematics | <div>EditDelete</div> |
| 3 | Charlie Brown | charlie@example.com | Physics | <div>EditDelete</div> |
| 4 | Diana Prince | diana@example.com | Chemistry | <div>EditDelete</div> |
| 5 | Ethan Hunt | ethan@example.com | Biology | <div>EditDelete</div> |
| 6 | Chhabi Maharjan | chhabi.maharjan69@gmail.com | Computer Science | <div>EditDelete</div> |

Edit Student

Alice Johnson

alice@example.com

Computer Science

Update Student

Student updated!