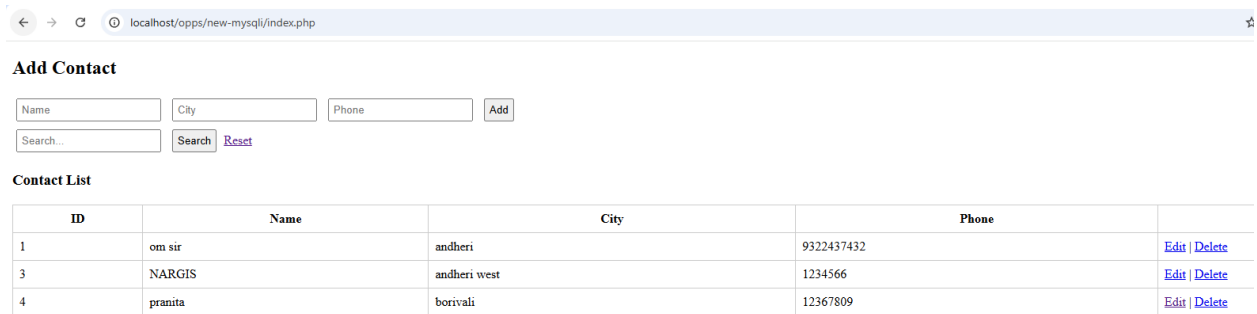


Here's the same **CRUD application**, but now using the new `mysqli` class



**Add Contact**

Name  City  Phone

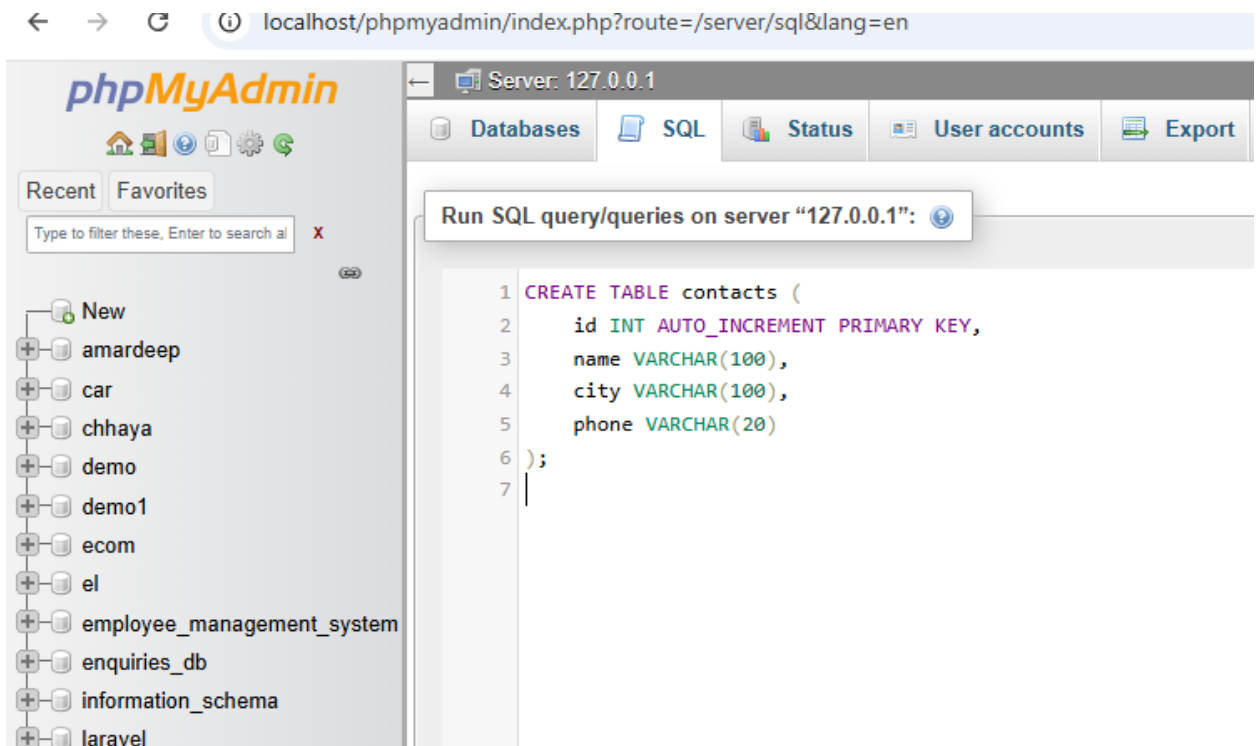
Search...

**Contact List**

ID	Name	City	Phone	
1	om sir	andheri	9322437432	<a href="#">Edit</a>   <a href="#">Delete</a>
3	NARGIS	andheri west	1234566	<a href="#">Edit</a>   <a href="#">Delete</a>
4	pranita	borivali	12367809	<a href="#">Edit</a>   <a href="#">Delete</a>

## SQL to Create `contacts` Table

```
CREATE TABLE contacts (  
    id INT AUTO_INCREMENT PRIMARY KEY,  
    name VARCHAR(100) NOT NULL,  
    city VARCHAR(100) NOT NULL,  
    phone VARCHAR(20) NOT NULL  
);
```



localhost/phpmyadmin/index.php?route=/server/sql&lang=en

Server: 127.0.0.1

Databases SQL Status User accounts Export

Run SQL query/queries on server "127.0.0.1":

```
1 CREATE TABLE contacts (  
2     id INT AUTO_INCREMENT PRIMARY KEY,  
3     name VARCHAR(100),  
4     city VARCHAR(100),  
5     phone VARCHAR(20)  
6 );  
7
```

## □ Folder Structure

```
/new_mysql/
├── db.php           ← mysqli connection using OOP
├── contact.php     ← CRUD logic with mysqli OOP
├── index.php       ← Main UI page
└── process.php    ← Handle form actions
```

---

## □ db.php – Database Connection using `new mysqli`

```
<?php
class Database {
    private $host = "localhost";
    private $db_name = "your_database_name";
    private $username = "your_username";
    private $password = "your_password";
    public $conn;

    public function connect() {
        $this->conn = new mysqli($this->host, $this->username, $this->password, $this->db_name);

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

        return $this->conn;
    }
}
?>
```

---

## □ contact.php – CRUD Class Using `mysqli OOP`

```
<?php
class Contact {
    private $conn;
    private $table = "contacts";

    public function __construct($db) {
        $this->conn = $db;
    }

    public function insert($name, $city, $phone) {
        $stmt = $this->conn->prepare("INSERT INTO {$this->table} (name, city, phone) VALUES (?, ?, ?)");
        $stmt->bind_param("sss", $name, $city, $phone);
        return $stmt->execute();
    }

    public function update($id, $name, $city, $phone) {
```

```
        $stmt = $this->conn->prepare("UPDATE {$this->table} SET name = ?,
city = ?, phone = ? WHERE id = ?");
        $stmt->bind_param("sssi", $name, $city, $phone, $id);
        return $stmt->execute();
    }

    public function delete($id) {
        $stmt = $this->conn->prepare("DELETE FROM {$this->table} WHERE id =
?");
        $stmt->bind_param("i", $id);
        return $stmt->execute();
    }

    public function getAll() {
        $result = $this->conn->query("SELECT * FROM {$this->table}");
        return $result->fetch_all(MYSQLI_ASSOC);
    }

    public function getById($id) {
        $stmt = $this->conn->prepare("SELECT * FROM {$this->table} WHERE id =
?");
        $stmt->bind_param("i", $id);
        $stmt->execute();
        return $stmt->get_result()->fetch_assoc();
    }

    public function search($keyword) {
        $keyword = "%" . $keyword . "%";
        $stmt = $this->conn->prepare("SELECT * FROM {$this->table} WHERE name
LIKE ? OR city LIKE ? OR phone LIKE ?");
        $stmt->bind_param("sss", $keyword, $keyword, $keyword);
        $stmt->execute();
        return $stmt->get_result()->fetch_all(MYSQLI_ASSOC);
    }
}
?>
```

---

## ☐ index.php – HTML Form + Table + Search

```
<?php
require_once 'db.php';
require_once 'contact.php';

$db = new Database();
$conn = $db->connect();
$contact = new Contact($conn);

$editData = null;
if (isset($_GET['edit'])) {
    $editData = $contact->getById($_GET['edit']);
}

$search = $_GET['search'] ?? '';
$records = $search ? $contact->search($search) : $contact->getAll();
?>

<!DOCTYPE html>
<html>
<head>
    <title>Contact Manager - MySQLi OOP</title>
    <style>
        input, button { margin: 5px; padding: 5px; }
        table { width: 100%; border-collapse: collapse; margin-top: 20px; }
        td, th { border: 1px solid #ccc; padding: 8px; }
    </style>
</head>
<body>
    <h2><?= $editData ? "Edit Contact" : "Add Contact" ?></h2>
    <form method="post" action="process.php">
        <input type="hidden" name="id" value="<?= $editData['id'] ?? '' ?>">
        <input type="text" name="name" placeholder="Name" value="<?=
$editData['name'] ?? '' ?>" required>
        <input type="text" name="city" placeholder="City" value="<?=
$editData['city'] ?? '' ?>" required>
        <input type="text" name="phone" placeholder="Phone" value="<?=
$editData['phone'] ?? '' ?>" required>
        <button type="submit" name="<?= $editData ? "update" : "add" ?>">
            <?= $editData ? "Update" : "Add" ?>
        </button>
    </form>

    <form method="get" action="">
        <input type="text" name="search" placeholder="Search..." value="<?=
htmlspecialchars($search) ?>">
        <button type="submit">Search</button>
        <a href="index.php">Reset</a>
    </form>

    <h3>Contact List</h3>
    <table>
        <tr>

<th>ID</th><th>Name</th><th>City</th><th>Phone</th><th>Actions</th>
```

```

</tr>
<?php if ($records): ?>
    <?php foreach ($records as $rec): ?>
        <tr>
            <td><?= $rec['id'] ?></td>
            <td><?= $rec['name'] ?></td>
            <td><?= $rec['city'] ?></td>
            <td><?= $rec['phone'] ?></td>
            <td>
                <a href="index.php?edit=<?= $rec['id'] ?>">Edit</a> |
                <a href="process.php?delete=<?= $rec['id'] ?>"
onclick="return confirm('Delete this contact?')">Delete</a>
            </td>
        </tr>
    <?php endforeach; ?>
<?php else: ?>
    <tr><td colspan="5">No contacts found.</td></tr>
<?php endif; ?>
</table>
</body>
</html>

```

---

## process.php – Handle Form Submissions

```

<?php
require_once 'db.php';
require_once 'contact.php';

$db = new Database();
$conn = $db->connect();
$contact = new Contact($conn);

// Add
if (isset($_POST['add'])) {
    $contact->insert($_POST['name'], $_POST['city'], $_POST['phone']);
}

// Update
if (isset($_POST['update'])) {
    $contact->update($_POST['id'], $_POST['name'], $_POST['city'],
$_POST['phone']);
}

// Delete
if (isset($_GET['delete'])) {
    $contact->delete($_GET['delete']);
}

// Redirect
header("Location: index.php");
exit;
?>

```

---

## Output:-

localhost/oppo/new-mysql/index.php

### Add Contact

Name  City  Phone

Search...  [Reset](#)

### Contact List

ID	Name	City	Phone	
1	om sir	andheri	9322437432	<a href="#">Edit</a>   <a href="#">Delete</a>
3	NARGIS	andheri west	1234566	<a href="#">Edit</a>   <a href="#">Delete</a>
4	pranita	borivali	12367809	<a href="#">Edit</a>   <a href="#">Delete</a>