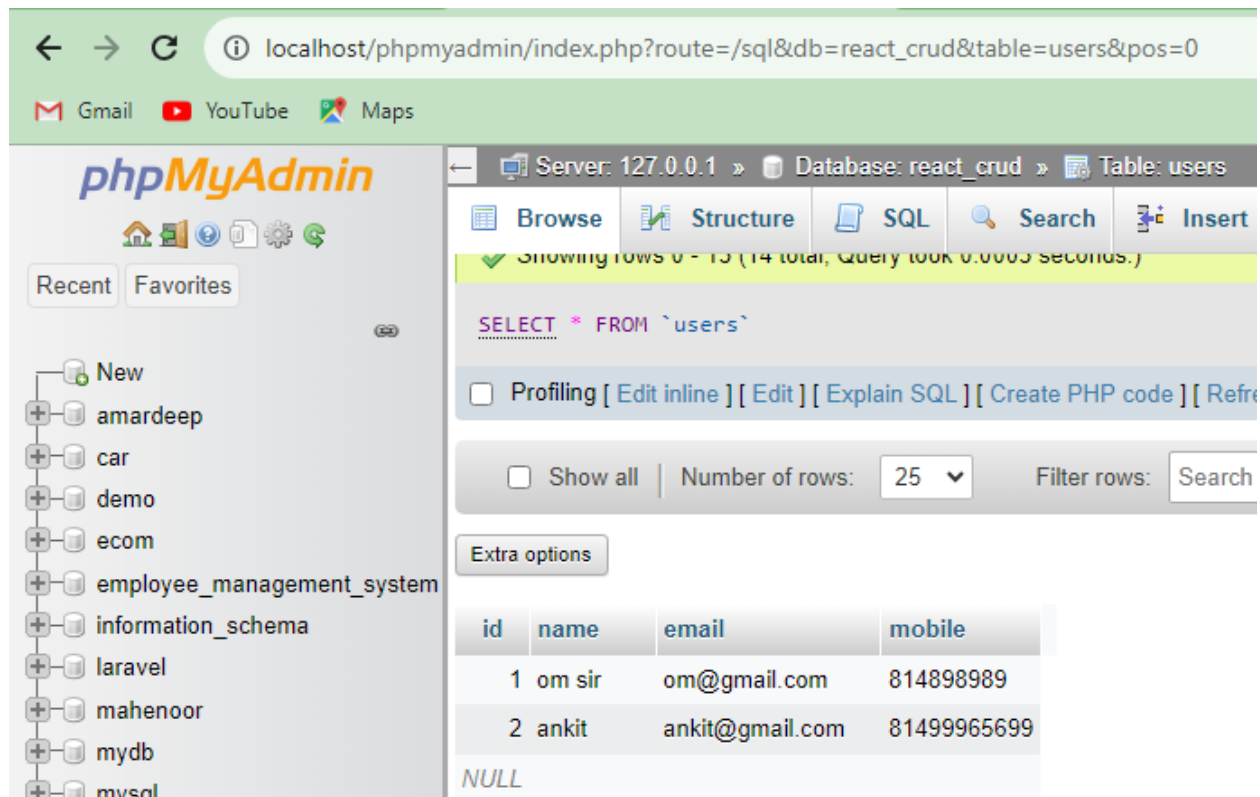


React js crud with php & mysql using axios

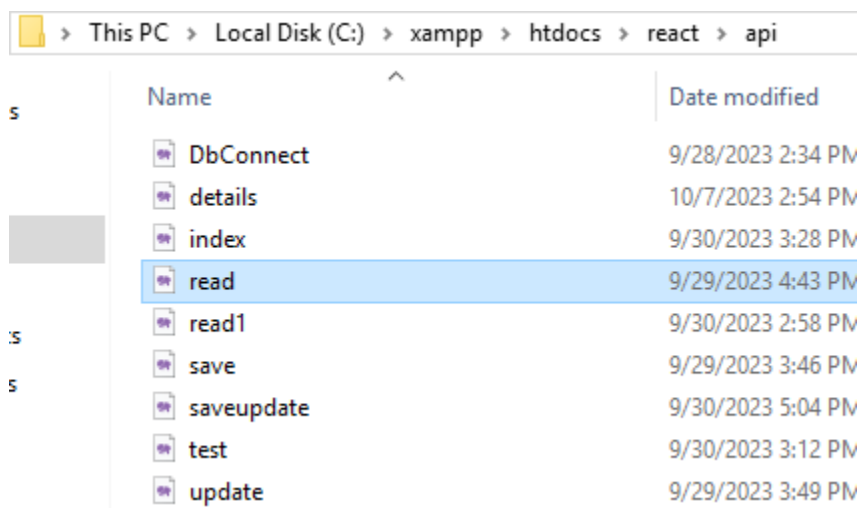
Crete database in xampp phpmyadmin as shown below



The screenshot shows the phpMyAdmin interface. The browser address bar indicates the URL: localhost/phpmyadmin/index.php?route=/sql&db=react_crud&table=users&pos=0. The interface shows the 'react_crud' database selected, and the 'users' table is displayed. The table has four columns: id, name, email, and mobile. The data is as follows:

id	name	email	mobile
1	om sir	om@gmail.com	814898989
2	ankit	ankit@gmail.com	81499965699

Create php api files under xampp /htdocs as shown below :-



The screenshot shows a Windows File Explorer window with the path: This PC > Local Disk (C:) > xampp > htdocs > react > api. The files listed are:

Name	Date modified
DbConnect	9/28/2023 2:34 PM
details	10/7/2023 2:54 PM
index	9/30/2023 3:28 PM
read	9/29/2023 4:43 PM
read1	9/30/2023 2:58 PM
save	9/29/2023 3:46 PM
saveupdate	9/30/2023 5:04 PM
test	9/30/2023 3:12 PM
update	9/29/2023 3:49 PM

Create rest api **details.php** file :-

<?php

```
header("Access-Control-Allow-Origin: *");
header('Access-Control-Allow-Credentials: true');
header("Access-Control-Allow-Methods: PUT, GET, POST, DELETE");
header("Access-Control-Allow-Headers: Origin, X-Requested-With, Content-Type, Accept");
header("Content-Type: application/json; charset=UTF-8");
```

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

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

```
$password = "";
```

```
$dbname = "react_crud";
```

```
$id = "";
```

```
$con = mysqli_connect($host, $user, $password,$dbname);
```

```
$method = $_SERVER['REQUEST_METHOD'];
```

```
$request = explode('/', trim($_SERVER['PATH_INFO'],'/'));
```

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

```
switch ($method) {
```

```
case 'GET':  
  
    $id = $_GET['id'];  
  
    $sql = "select * from users".($id?" where id=$id:");  
  
    $output = array();  
  
  
    $result = mysqli_query($con, $sql);  
  
    if (mysqli_num_rows($result) > 0)  
    {  
  
  
while ($row = mysqli_fetch_array($result)) {  
    $users[] = $row;  
}  
    echo json_encode($users);  
}  
  
  
    break;  
  
    }  
  
    ?>
```

read.php file code :-

```
<?php
```

```
header("Access-Control-Allow-Origin: *");  
header('Access-Control-Allow-Credentials: true');  
header("Access-Control-Allow-Methods: PUT, GET, POST, DELETE");  
header("Access-Control-Allow-Headers: Origin, X-Requested-With, Content-Type, Accept");  
header("Content-Type: application/json; charset=UTF-8");
```

```
$conn = mysqli_connect("localhost", "root", "", "react_crud");
```

```
$output = array();
```

```
$query = "SELECT * FROM users";
```

```
$result = mysqli_query($conn, $query);
```

```
if (mysqli_num_rows($result) > 0) {
```

```
while ($row = mysqli_fetch_array($result)) {
```

```
    $users[] = $row;
```

```
}
```

```
echo json_encode($users);
```

```
}
```

```
?>
```

save.php file code :-

```
<?php
```

```
error_reporting(E_ALL);
ini_set('display_errors', 1);
header("Access-Control-Allow-Origin: *");
header("Access-Control-Allow-Headers: *");
header("Access-Control-Allow-Methods: *");

$user = json_decode( file_get_contents('php://input') );

echo json_encode($response);

$conn=mysqli_connect("localhost","root","","react_crud");

$name = mysqli_real_escape_string($conn, $user->name);
$email = mysqli_real_escape_string($conn, $user->email);
$mobile = mysqli_real_escape_string($conn, $user->mobile);

$sql="insert into users (name,email,mobile)values('$name','$email','$mobile)";
$result=mysqli_query($conn, $sql);

if($result)
{
    $res="record inserted";
    echo json_encode($res);
}
```

```
}
```

```
?>
```

Step 2 :-

Write code for `Listuser.js` file Component :-

```
import axios from "axios"
import { useEffect, useState } from "react";
import { Link } from "react-router-dom";

export default function ListUser() {

  const [users, setUsers] = useState([]);
  useEffect(() => {
    getUsers();
  }, []);

  function getUsers() {
    axios.get('http://localhost/react/api/read.php').then(function(response)
{
    console.log(response.data);
    setUsers(response.data);
  });
}

  const deleteUser = (id) => {
    axios.delete('http://localhost/react/api/index.php/user/${id}/delete').th
en(function(response){
    console.log(response.data);
    getUsers();
  });
}
  return (
    <div>
      <h1>List Users</h1>
      <table>
        <thead>
          <tr>
```

```

        <th>#</th>
        <th>Name</th>
        <th>Email</th>
        <th>Mobile</th>
        <th>Actions</th>
    </tr>
</thead>
<tbody>
    {users.map((user, key) =>
        <tr key={key}>
            <td>{user.id}</td>
            <td>{user.name}</td>
            <td>{user.email}</td>
            <td>{user.mobile}</td>
            <td>
                <Link to={`user/${user.id}/edit`}
style={{marginRight: "10px"}}>Edit</Link>
                <button onClick={() =>
deleteUser(user.id)}>Delete</button>
                <button onClick={()=>alert("button
clicked")}>test</button>
            </td>
        </tr>
    )}
</tbody>
</table>
</div>
)
}

```

Edituser.js file code :-

```

import { useState, useEffect } from "react";
import axios from "axios";
import { useNavigate, useParams } from "react-router-dom";

export default function ListUser() {
    const navigate = useNavigate();

    const [inputs, setInputs] = useState([]);

    const {id} = useParams();

```

```

useEffect(() => {
  getUser();
}, []);

function getUser() {
  axios.get(`http://localhost/react/api/details.php?id=${id}`).then(function(response) {
    console.log(response.data);
    setInputs(response.data);
  });
}

const handleChange = (event) => {
  const name = event.target.name;
  const value = event.target.value;
  setInputs(values => ({...values, [name]: value}));
}

const handleSubmit = (event) => {
  event.preventDefault();

  axios.put(`http://localhost/react/api/index.php/user/${id}/edit`,
inputs).then(function(response){
  console.log(response.data);
  navigate('/');
});
}

return (
  <>
  <div>
    <h1>Edit user</h1>

    <form onSubmit={handleSubmit}>
      <table cellSpacing="10">
        <tbody>
          <tr>
            <th>
              <label>Name: </label>
            </th>
            <td>
              <input value={inputs.name} type="text"
name="name" onChange={handleChange} />
            </td>
          </tr>
          <tr>

```

```

        <th>
            <label>Email: </label>
        </th>
        <td>
            <input value={inputs.email} type="text"
name="email" onChange={handleChange} />
        </td>
    </tr>
    <tr>
        <th>
            <label>Mobile: </label>
        </th>
        <td>
            <input value={inputs.mobile} type="text"
name="mobile" onChange={handleChange} />
        </td>
    </tr>
    <tr>
        <td colspan="2" align="right">
            <button>Save</button>
        </td>
    </tr>
</tbody>
</table>
</form>

```

```

</div>

```

```

<div>
<h1>List Users</h1>
<table>
    <thead>
        <tr>
            <th>#</th>
            <th>Name</th>
            <th>Email</th>
            <th>Mobile</th>
            <th>Actions</th>
        </tr>
    </thead>
    <tbody>
        {inputs.map((user, key) =>
            <tr key={key}>
                <td><input type="text" value={user.id} /></td>

```

```

        <td><input type="text" value={user.name}/></td>
        <td><input type="text" value={user.email}/></td>
        <td><input type="text" value={user.mobile}/></td>

    </tr>
  )}

</tbody>
</table>
</div>
</>
)
}

```

Createuser.js file code :-

```

import { useState } from "react";
import axios from "axios";
import { useNavigate } from "react-router-dom";

export default function ListUser() {
  const navigate = useNavigate();

  const [inputs, setInputs] = useState([]);

  const handleChange = (event) => {
    const name = event.target.name;
    const value = event.target.value;
    setInputs(values => ({...values, [name]: value}));
  }

  const handleSubmit = (event) => {
    event.preventDefault();

    axios.post('http://localhost/react/api/save.php',
inputs).then(function(response){
      console.log(response.data);
      navigate('/');
    });
  }

  return (
    <div>
      <h1>Create user</h1>

```

```

    <form onSubmit={handleSubmit}>
      <table cellSpacing="10">
        <tbody>
          <tr>
            <th>
              <label>Name: </label>
            </th>
            <td>
              <input type="text" name="name"
onChange={handleChange} />
            </td>
          </tr>
          <tr>
            <th>
              <label>Email: </label>
            </th>
            <td>
              <input type="text" name="email"
onChange={handleChange} />
            </td>
          </tr>
          <tr>
            <th>
              <label>Mobile: </label>
            </th>
            <td>
              <input type="text" name="mobile"
onChange={handleChange} />
            </td>
          </tr>
          <tr>
            <td colspan="2" align="right">
              <button>Save</button>
            </td>
          </tr>
        </tbody>
      </table>
    </form>
  </div>
)
}

```

App.js file code :-

```

import {BrowserRouter, Routes, Route, Link} from 'react-router-dom';
import './App.css';
import CreateUser from './components/CreateUser';
import EditUser from './components/EditUser';
import ListUser from './components/ListUser';

function App() {
  return (
    <>
    <div className="App">
      <h5>React CRUD operations using PHP API and MySQL</h5>

      <BrowserRouter>
        <nav>
          <ul>
            <li>
              <Link to="/">List Users</Link>
            </li>
            <li>
              <Link to="user/create">Create User</Link>
            </li>
          </ul>
        </nav>
        <Routes>
          <Route index element={<ListUser />} />
          <Route path="user/create" element={<CreateUser />} />
          <Route path="user/:id/edit" element={<EditUser />} />
        </Routes>
      </BrowserRouter>
    </div>
    </>
  );
}

export default App;

```