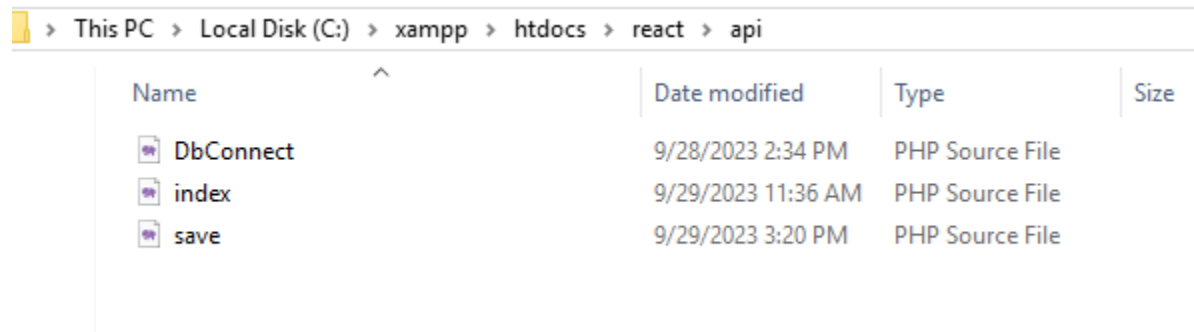
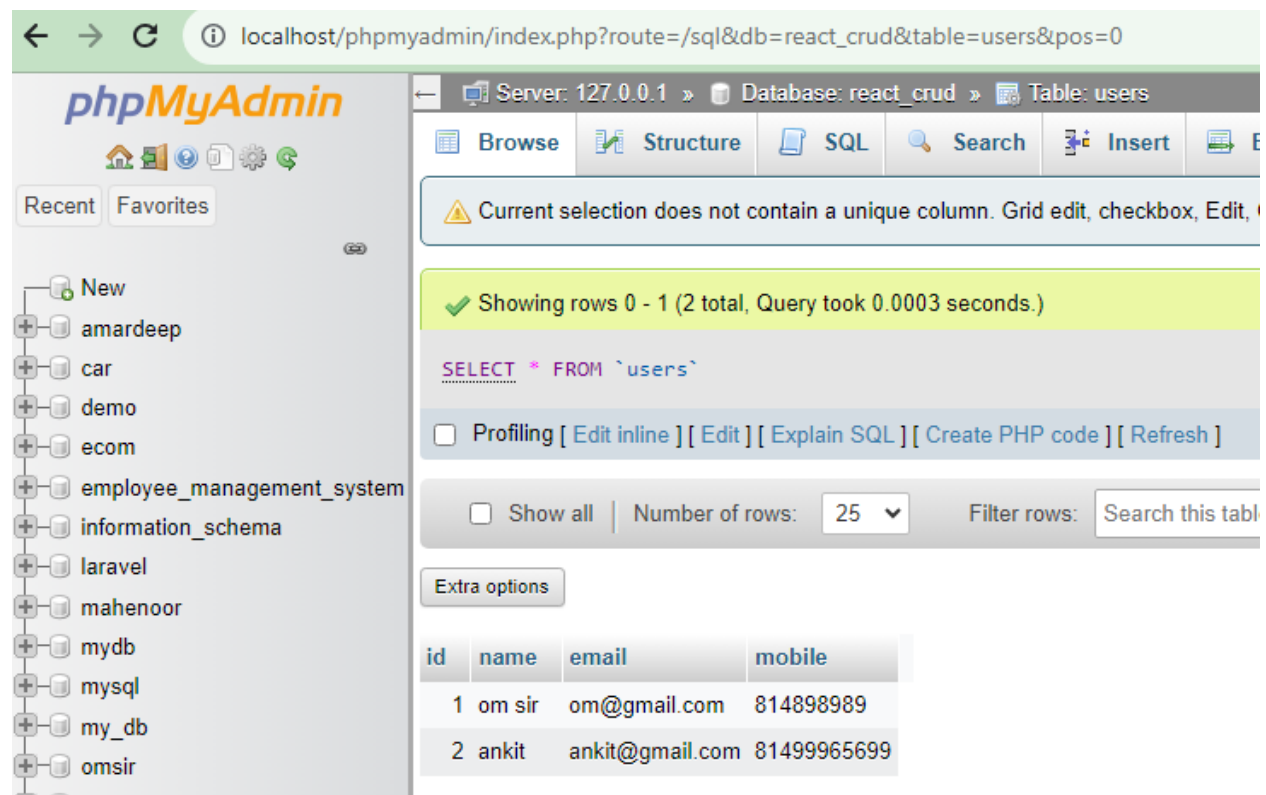


React js with php insert example api:-

(1)create save.php file on server xampp:-



(2)create database “react_crud” and users table as shown below



(3)create save.php file code api code to insert record :-

```
<?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);
}
```

?>

And react file code of `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>
          </tbody>
        </table>
      </form>
    </div>
  );
}
```

```

        </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>
)
}

```

ListUser.js file code :-

```

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/index.php').then(function(response)
{
    console.log(response.data);
    setUsers(response.data);
  });
}

const deleteUser = (id) => {
  axios.delete('http://localhost/react/api/user/${id}/delete').then(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>
            </td>
          </tr>
        )}
      </tbody>
    </table>
  </div>
)

```

```
        </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/user/${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/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>

```

```
)  
}
```

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;

Display code index.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: *");

include 'DbConnect.php';
$objDb = new DbConnect;
$conn = $objDb->connect();

$method = $_SERVER['REQUEST_METHOD'];
switch($method) {
    case "GET":
        $sql = "SELECT * FROM users";
        $path = explode('/', $_SERVER['REQUEST_URI']);
        if(isset($path[3]) && is_numeric($path[3])) {
            $sql .= " WHERE id = :id";
            $stmt = $conn->prepare($sql);
            $stmt->bindParam(':id', $path[3]);
            $stmt->execute();
            $users = $stmt->fetch(PDO::FETCH_ASSOC);
        } else {
            $stmt = $conn->prepare($sql);
            $stmt->execute();
        }
    }
}
```

```
        $users = $stmt->fetchAll(PDO::FETCH_ASSOC);
    }

    echo json_encode($users);

    break;

case "POST":

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

    $sql = "INSERT INTO users(id, name, email, mobile, created_at) VALUES(null, :name, :email, :mobile,
:created_at)";

    $stmt = $conn->prepare($sql);

    $created_at = date('Y-m-d');

    $stmt->bindParam(':name', $user->name);

    $stmt->bindParam(':email', $user->email);

    $stmt->bindParam(':mobile', $user->mobile);

    $stmt->bindParam(':created_at', $created_at);

    if($stmt->execute()) {

        $response = ['status' => 1, 'message' => 'Record created successfully.'];

    } else {

        $response = ['status' => 0, 'message' => 'Failed to create record.'];

    }

    echo json_encode($response);

    break;

case "PUT":
```

```

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

$sql = "UPDATE users SET name= :name, email =:email, mobile =:mobile, updated_at =:updated_at
WHERE id = :id";

$stmt = $conn->prepare($sql);

$updated_at = date('Y-m-d');

$stmt->bindParam(':id', $user->id);

$stmt->bindParam(':name', $user->name);

$stmt->bindParam(':email', $user->email);

$stmt->bindParam(':mobile', $user->mobile);

$stmt->bindParam(':updated_at', $updated_at);

if($stmt->execute()) {

    $response = ['status' => 1, 'message' => 'Record updated successfully.'];

} else {

    $response = ['status' => 0, 'message' => 'Failed to update record.'];

}

echo json_encode($response);

break;

case "DELETE":

    $sql = "DELETE FROM users WHERE id = :id";

    $path = explode('/', $_SERVER['REQUEST_URI']);

    $stmt = $conn->prepare($sql);

    $stmt->bindParam(':id', $path[3]);

```

```
if($stmt->execute()) {  
    $response = ['status' => 1, 'message' => 'Record deleted successfully.'];  
} else {  
    $response = ['status' => 0, 'message' => 'Failed to delete record.'];  
}  
echo json_encode($response);  
break;  
}  
?>
```

DbConnect.php file code :-

```
<?php  
    /**  
     * Database Connection  
     */  
    class DbConnect {  
        private $server = 'localhost';  
        private $dbname = 'react_crud';  
        private $user = 'root';  
        private $pass = '';  
  
        public function connect() {  
            try {  
                $conn = new PDO('mysql:host=' . $this->server . ';dbname=' . $this->dbname, $this->user, $this->pass);
```

```
        $conn->setAttribute(PDO::ATTR_ERRMODE,  
PDO::ERRMODE_EXCEPTION);  
  
        return $conn;  
    } catch (\Exception $e) {  
        echo "Database Error: " . $e->getMessage();  
    }  
}  
  
}  
  
?>
```