index.html

```html
1  <!DOCTYPE html>
2  <html>
3  <head>
4    <title>Sample Demo Page</title>
5    <link href="https://cdn.jsdelivr.net/npm/tailwindcss@2.2.19/dist/tailwind.min.css"
   rel="stylesheet">
6    <style>
7      .container {
8        max-width: 640px;
9        margin: 0 auto;
10     }
11   </style>
12 </head>
13 <body>
14   <div class="container">
15     <h1 class="text-2xl font-bold mt-4 mb-8">Add Your Data:</h1>
16
17     <form id="dataForm" class="flex items-end justify-center gap-4">
18       <div>
19         <label for="name" class="block">Name:</label>
20         <input type="text" id="name" name="name" required class="border border-gray-300
   rounded px-4 py-2">
21       </div>
22
23       <div>
24         <label for="address" class="block">Address:</label>
25         <input type="text" id="address" name="address" required class="border border-gray-300
   rounded px-4 py-2">
26       </div>
27
28       <button type="submit" class="bg-blue-500 hover:bg-blue-700 text-white font-bold py-2 px-
   4 rounded">Add Data</button>
29     </form>
30     <hr class="my-8">
31     <h2 class="text-xl font-bold mt-4">Employees Data:</h2>
32     <div id="dataTable"></div>
33   </div>
34
35   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
36   <script>
37     $(document).ready(function() {
38         var baseURL = "";
39       // Function to handle form submission
40       $("#dataForm").submit(function(event) {
41         event.preventDefault();
42
43         var name = $("#name").val();
44         var address = $("#address").val();
45
46         // AJAX request to save data to the database
47         $.ajax({
48           url: baseURL + "save_data.php",
49           type: "POST",
```

```
            data: {
                name: name,
                address: address
            },
            complete: function (response) {
                // Clear the form inputs
                $("#name").val("");
                $("#address").val("");
                alert(response.responseText);
                // Refresh the data table
                loadData();
            }
        });
    });

    // Function to load data from the database
    function loadData() {
        $.ajax({
            url: baseURL + "get_data.php",
            type: "GET",
            success: function(response) {
                $("#dataTable").html(response);
            }
        });
    }

    // Load initial data on page load
    loadData();
    });
</script>
</body>
</html>
```

get_data.php

```php
<?php
ini_set('display_errors', 1);
ini_set('display_startup_errors', 1);
error_reporting(E_ALL);
// Database configuration
include("config.php");

// Create a new database connection
$mysqli = new mysqli($db_host, $db_user, $db_pass, $db_name);

// Check for connection errors
if ($mysqli->connect_error) {
    die("Connection Error: " . $mysqli->connect_error);
}

// Prepare the SELECT statement
$stmt = $mysqli->prepare("SELECT id, name, address, createdOn FROM $db_table order by id
desc");

// Execute the statement
$stmt->execute();

// Bind the result variables
$stmt->bind_result($id, $name, $address, $createdOn);

// Create an array to store the fetched data
$data = array();

// Start building the HTML table
$table_html = "<table border class=\"min-w-full text-center text-sm font-bold\">
                <thead class=\"border-b bg-gray-800 font-medium text-white dark:border-gray-
500 dark:bg-gray-900\">
                    <tr>
                        <th scope=\"col\" class=\"px-6 py-2\">ID</th>
                        <th scope=\"col\" class=\"px-6 py-2\">Name</th>
                        <th scope=\"col\" class=\"px-6 py-2\">Address</th>
                        <th scope=\"col\" class=\"px-6 py-2\">CreatedOn</th>
                    </tr>
                    </thead>
                    ";

// Fetch the rows and populate the data array
while ($stmt->fetch()) {
    $data[] = array(
        "id" => $id,
        "name" => $name,
        "address" => $address,
        "createdOn" => $address
    );

    $table_html .= "<tr class=\"border\">
                        <td scope=\"col\" class=\"px-6 py-2\">" . $id . "</td>
                        <td scope=\"col\" class=\"text-left px-6 py-2\">" . $name . "</td>
```

```php
52                        <td scope=\"col\" class=\"text-left px-6 py-2\">" . $address . "</td>
53                        <td scope=\"col\" class=\"px-6 py-2\">" . $createdOn . "</td>
54                 </tr>";
55 }
56
57 if(sizeof($data) === 0) {
58     $table_html .= "<tr class=\"border\">
59                        <td scope=\"col\" class=\" px-6 py-2\" colspan=4> NO RECORDS FOUND
   YET.</td>
60                 </tr>";
61 }
62 // Finish building the HTML table
63 $table_html .= "</table>";
64
65 // Close the statement
66 $stmt->close();
67
68 if(isset($_GET["mode"]) && $_GET["mode"] === "api") {
69     // Return the data in JSON format
70     header("Content-Type: application/json");
71     echo json_encode($data);
72 } else {
73     // Output the table HTML
74     echo $table_html;
75 }
76
77 ?>
```

save_data.php

```php
<?php
ini_set("display_errors", 1);
ini_set("display_startup_errors", 1);
error_reporting(E_ALL);
// Database configuration
include("config.php");

// Create a new database connection
$mysqli = new mysqli($db_host, $db_user, $db_pass, $db_name);

// Check for connection errors
if ($mysqli->connect_error) {
    die("Connection Error: " . $mysqli->connect_error);
}

try {
    // Check if the form was submitted
    if ($_SERVER["REQUEST_METHOD"] === "POST") {
        // Retrieve the data from the POST request
        $name = $_POST["name"];
        $address = $_POST["address"];

        // Prepare the INSERT statement
        $stmt = $mysqli->prepare("INSERT INTO $db_table (name, address) VALUES (?, ?)");
        $stmt->bind_param("ss", $name, $address);

        // Execute the statement
        header("Content-Type: application/json");
        if ($stmt->execute()) {
            echo "Data added successfully.";
        } else {
            echo "Error adding data.";
        }

        // Close the statement
        $stmt->close();
    }

    // Close the database connection
    $mysqli->close();
} catch (\Throwable $th) {
    throw $th;
}

?>
```

user_data.sh

```bash
1   #!/bin/bash
2   sudo su
3   apt-get update -y
4   apt-get install -y apache2 php8.1 php8.1-mysql
5
6   # Start and enable Apache2
7   systemctl start apache2
8   systemctl enable apache2
9
10  # Allow incoming HTTP traffic on port 80
11  firewall-cmd --zone=public --permanent --add-service=http
12  firewall-cmd --reload
13
14  # Create a PHP info file
15  echo "<?php phpinfo(); ?>" > /var/www/html/info.php
16
17  # Create a database config file
18  echo '<?php
19  // Database configuration
20  $db_host = "database-1.cxspraprlfyf.us-east-1.rds.amazonaws.com";
21  $db_name = "project01";
22  $db_user = "admin";
23  $db_pass = "Simplilearn$123";
24  $db_table = "employees";
25  ?>' > /var/www/html/config.php
26
27  # Create a get_data.php file to fetch data from database table
28  echo '<?php
29
30  // Database configuration
31  include("config.php");
32
33  // Create a new database connection
34  $mysqli = new mysqli($db_host, $db_user, $db_pass, $db_name);
35
36  // Check for connection errors
37  if ($mysqli->connect_error) {
38      die("Connection Error: " . $mysqli->connect_error);
39  }
40
41  // Prepare the SELECT statement
42  $stmt = $mysqli->prepare("SELECT id, name, address, createdOn FROM $db_table order by id
    desc");
43
44  // Execute the statement
45  $stmt->execute();
46
47  // Bind the result variables
48  $stmt->bind_result($id, $name, $address, $createdOn);
49
50  // Create an array to store the fetched data
51  $data = array();
52
```

```php
53   // Start building the HTML table
54   $table_html = "<table border class=\"min-w-full text-center text-sm font-bold\">
55                   <thead class=\"border-b bg-gray-800 font-medium text-white dark:border-gray-
     500 dark:bg-gray-900\">
56                       <tr>
57                           <th scope=\"col\" class=\"px-6 py-2\">ID</th>
58                           <th scope=\"col\" class=\"px-6 py-2\">Name</th>
59                           <th scope=\"col\" class=\"px-6 py-2\">Address</th>
60                           <th scope=\"col\" class=\"px-6 py-2\">CreatedOn</th>
61                       </tr>
62                   </thead>
63                   ";
64
65   // Fetch the rows and populate the data array
66   while ($stmt->fetch()) {
67       $data[] = array(
68           "id" => $id,
69           "name" => $name,
70           "address" => $address,
71           "createdOn" => $address
72       );
73
74       $table_html .= "<tr class=\"border\">
75                           <td scope=\"col\" class=\"px-6 py-2\">" . $id . "</td>
76                           <td scope=\"col\" class=\"text-left px-6 py-2\">" . $name . "</td>
77                           <td scope=\"col\" class=\"text-left px-6 py-2\">" . $address . "</td>
78                           <td scope=\"col\" class=\"px-6 py-2\">" . $createdOn . "</td>
79                       </tr>";
80   }
81
82   if(sizeof($data) === 0) {
83       $table_html .= "<tr class=\"border\">
84                           <td scope=\"col\" class=\" px-6 py-2\" colspan=4> NO RECORDS FOUND
     YET.</td>
85                       </tr>";
86   }
87   // Finish building the HTML table
88   $table_html .= "</table>";
89
90   // Close the statement
91   $stmt->close();
92
93   if(isset($_GET["mode"]) && $_GET["mode"] === "api") {
94       // Return the data in JSON format
95       header("Content-Type: application/json");
96       echo json_encode($data);
97   } else {
98       // Output the table HTML
99       echo $table_html;
100  }
101
102  ?>' > /var/www/html/get_data.php
103
104  # Create a save_data.php script file to store data in database
105  echo '<?php
106  ini_set("display_errors", 1);
```

```php
107  ini_set("display_startup_errors", 1);
108  error_reporting(E_ALL);
109  // Database configuration
110  include("config.php");
111
112  // Create a new database connection
113  $mysqli = new mysqli($db_host, $db_user, $db_pass, $db_name);
114
115  // Check for connection errors
116  if ($mysqli->connect_error) {
117      die("Connection Error: " . $mysqli->connect_error);
118  }
119
120  try {
121      // Check if the form was submitted
122      if ($_SERVER["REQUEST_METHOD"] === "POST") {
123          // Retrieve the data from the POST request
124          $name = $_POST["name"];
125          $address = $_POST["address"];
126
127          // Prepare the INSERT statement
128          $stmt = $mysqli->prepare("INSERT INTO $db_table (name, address) VALUES (?, ?)");
129          $stmt->bind_param("ss", $name, $address);
130
131          // Execute the statement
132          header("Content-Type: application/json");
133          if ($stmt->execute()) {
134              echo "Data added successfully.";
135          } else {
136              echo "Error adding data.";
137          }
138
139          // Close the statement
140          $stmt->close();
141      }
142
143      // Close the database connection
144      $mysqli->close();
145  } catch (\Throwable $th) {
146      throw $th;
147  }
148
149  ?>' > /var/www/html/save_data.php
150
151
152
153  # Create a index.html file to submit and preview the submitted data
154  echo '<!DOCTYPE html>
155  <html>
156  <head>
157      <title>Project 01</title>
158      <link href="https://cdn.jsdelivr.net/npm/tailwindcss@2.2.19/dist/tailwind.min.css" rel="stylesheet">
159      <style>
160          .container {
161              max-width: 640px;
```

```html
        margin: 0 auto;
      }
    </style>
  </head>
  <body>
    <div class="container">
      <h1 class="text-2xl font-bold mt-4 mb-8">Add Your Data:</h1>

      <form id="dataForm" class="flex items-end justify-center gap-4">
        <div>
          <label for="name" class="block">Name:</label>
          <input type="text" id="name" name="name" required class="border border-gray-300 rounded px-4 py-2">
        </div>

        <div>
          <label for="address" class="block">Address:</label>
          <input type="text" id="address" name="address" required class="border border-gray-300 rounded px-4 py-2">
        </div>

        <button type="submit" class="bg-blue-500 hover:bg-blue-700 text-white font-bold py-2 px-4 rounded">Add Data</button>
      </form>
      <hr class="my-8">
      <h2 class="text-xl font-bold mt-4">Employees Data:</h2>
      <div id="dataTable"></div>
    </div>

    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
    <script>
      $(document).ready(function() {
          var baseURL = "";
        // Function to handle form submission
        $("#dataForm").submit(function(event) {
          event.preventDefault();

          var name = $("#name").val();
          var address = $("#address").val();

          // AJAX request to save data to the database
          $.ajax({
            url: baseURL + "save_data.php",
            type: "POST",
            data: {
              name: name,
              address: address
            },
            complete: function (response) {
              // Clear the form inputs
              $("#name").val("");
              $("#address").val("");
              alert(response.responseText);
              // Refresh the data table
              loadData();
            }
          });
```

```
        });

        // Function to load data from the database
        function loadData() {
          $.ajax({
            url: baseURL + "get_data.php",
            type: "GET",
            success: function(response) {
              $("#dataTable").html(response);
            }
          });
        }

        // Load initial data on page load
        loadData();
      });
    </script>
  </body>
</html>' > /var/www/html/index.php

chown -R ubuntu:www-data /var/www
find /var/www -type d -exec chmod 2750 {} \+
find /var/www -type f -exec chmod 640 {} \+

# Restart Apache2 to apply changes
systemctl restart apache2
```