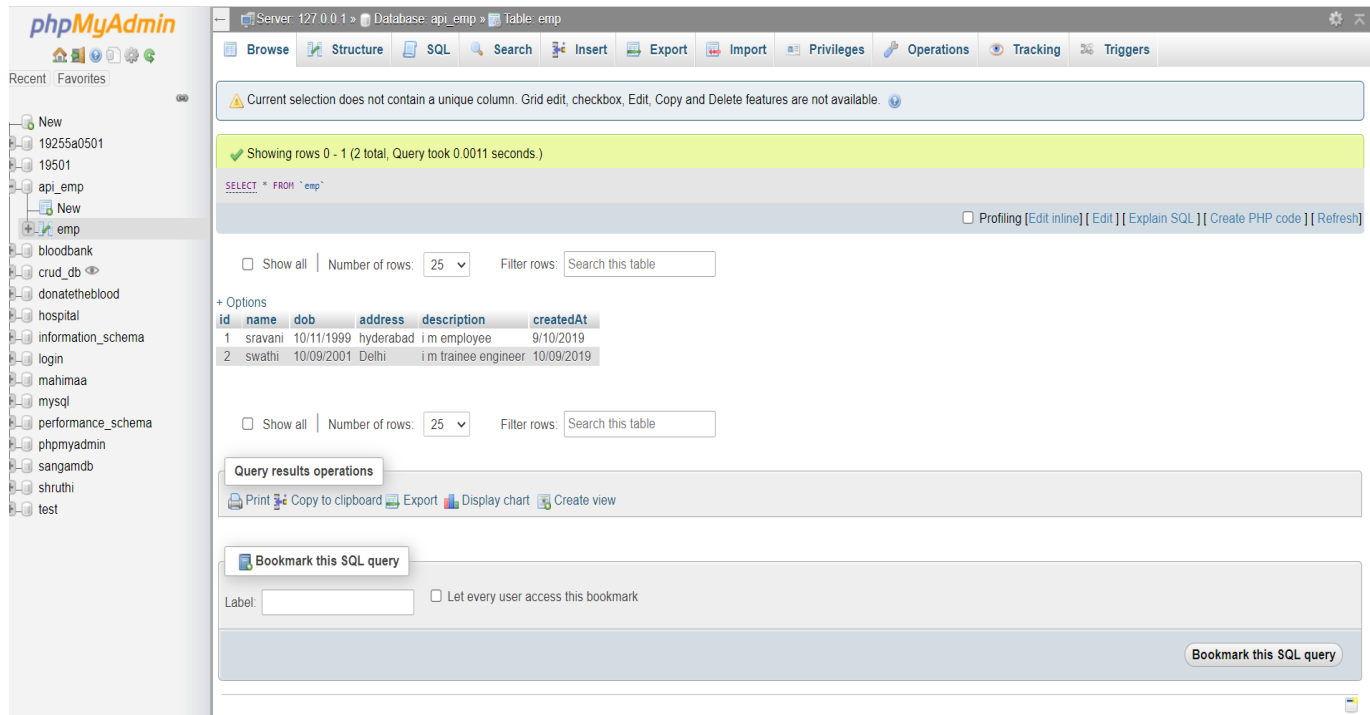


Build an restful API that can create ,update,delete and get user data from a database
usermodel

Creating a database

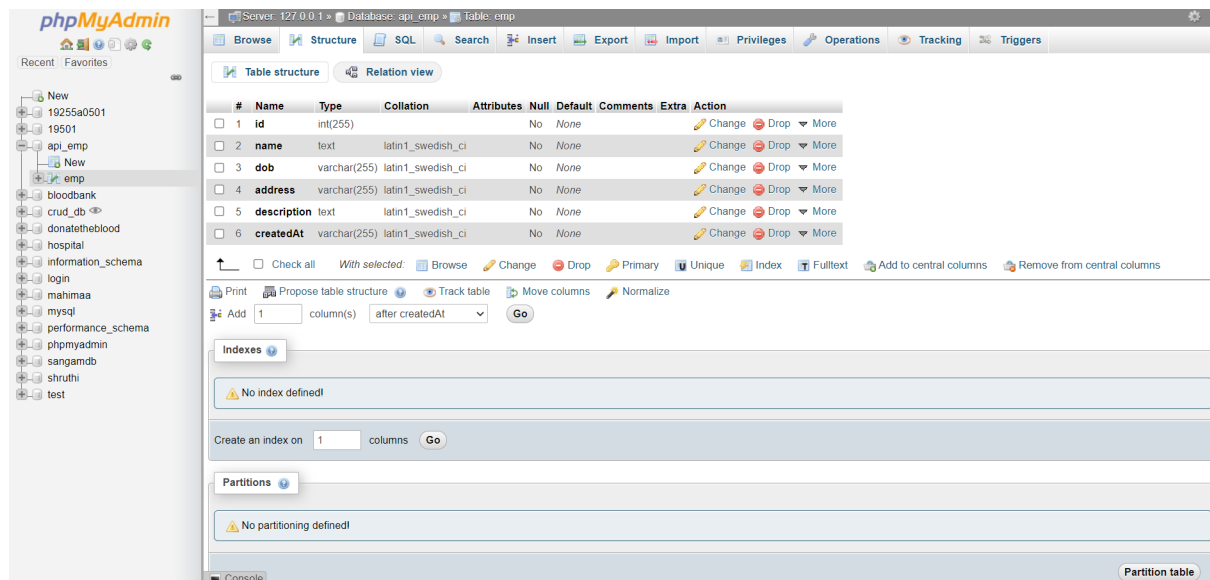


The screenshot shows the phpMyAdmin interface for a database named 'api_emp'. The 'Table: emp' is selected, and the 'Structure' tab is active. A warning message states: 'Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.' Below this, a green bar indicates 'Showing rows 0 - 1 (2 total, Query took 0.0011 seconds)'. The SQL query shown is 'SELECT * FROM `emp`'. The table data is displayed as follows:

id	name	dob	address	description	createdAt
1	sravani	10/11/1999	hyderabad	i m employee	9/10/2019
2	swathi	10/09/2001	Delhi	i m trainee engineer	10/09/2019

Below the table, there are options to 'Show all', 'Number of rows: 25', and 'Filter rows: Search this table'. The 'Query results operations' section includes links for 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'. The 'Bookmark this SQL query' section has a 'Label' input field and a checkbox 'Let every user access this bookmark'. A 'Bookmark this SQL query' button is at the bottom right.

Structure of a database:



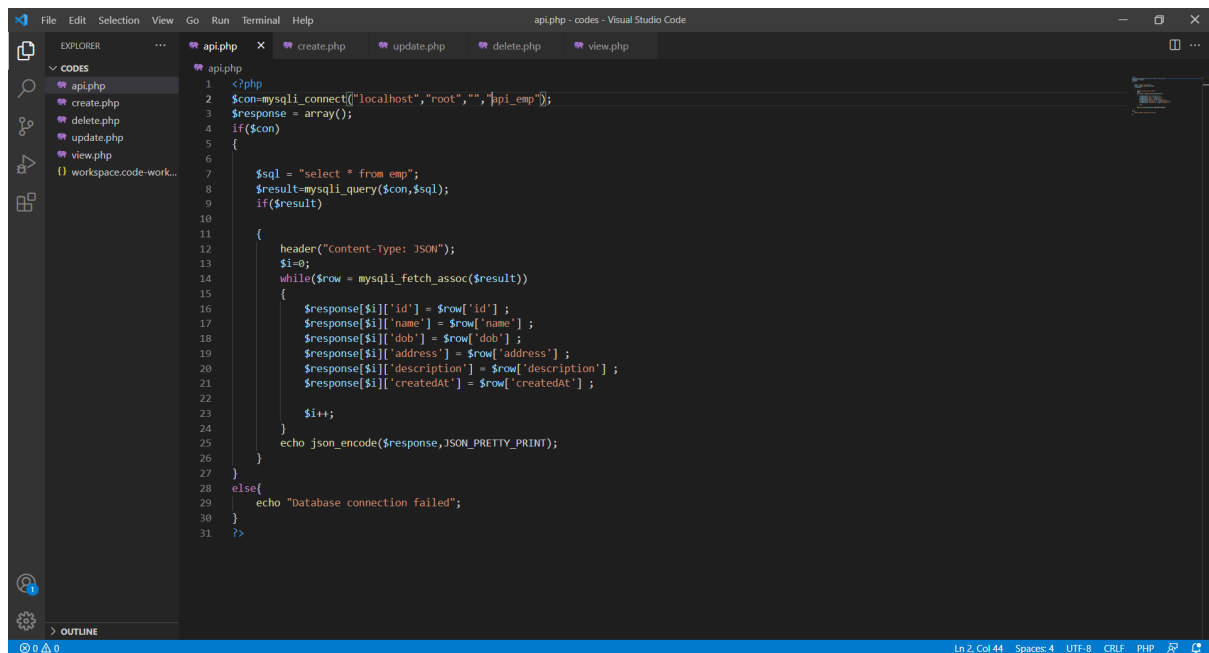
The screenshot shows the 'Table structure' tab for the 'emp' table. The table structure is defined as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(255)			No	None			Change Drop More
2	name	text	latin1_swedish_ci		No	None			Change Drop More
3	dob	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
4	address	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
5	description	text	latin1_swedish_ci		No	None			Change Drop More
6	createdAt	varchar(255)	latin1_swedish_ci		No	None			Change Drop More

Below the table structure, there are options to 'Check all', 'With selected', 'Browse', 'Change', 'Drop', 'Primary', 'Unique', 'Index', 'Fulltext', 'Add to central columns', and 'Remove from central columns'. The 'Indexes' section shows 'No index defined'. The 'Partitions' section shows 'No partitioning defined'. A 'Console' tab is at the bottom right.

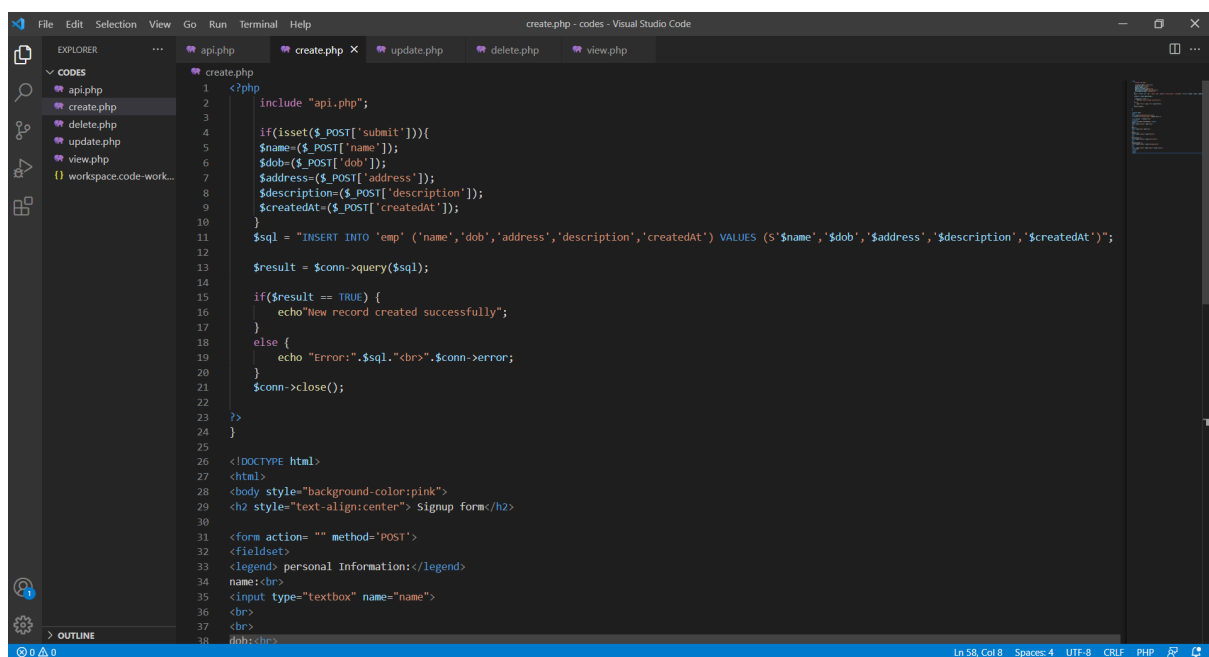
Creating of api: CODES:

api.php



```
1 <?php
2 $con=mysqli_connect("localhost","root","","api_emp");
3 $response = array();
4 if($con)
5 {
6
7     $sql = "select * from emp";
8     $result=mysqli_query($con,$sql);
9     if($result)
10
11     {
12         header("Content-Type: JSON");
13         $i=0;
14         while($row = mysqli_fetch_assoc($result))
15         {
16             $response[$i]['id'] = $row['id'] ;
17             $response[$i]['name'] = $row['name'] ;
18             $response[$i]['dob'] = $row['dob'] ;
19             $response[$i]['address'] = $row['address'] ;
20             $response[$i]['description'] = $row['description'] ;
21             $response[$i]['createdAt'] = $row['createdAt'] ;
22
23             $i++;
24         }
25         echo json_encode($response,JSON_PRETTY_PRINT);
26     }
27 }
28 else{
29     echo "Database connection failed";
30 }
31 ?>
```

Create.php



```
1 <?php
2 include "api.php";
3
4 if(isset($_POST['submit'])){
5     $name=$_POST['name'];
6     $dob=$_POST['dob'];
7     $address=$_POST['address'];
8     $description=$_POST['description'];
9     $createdAt=$_POST['createdAt'];
10 }
11 $sql = "INSERT INTO `emp` (`name`,`dob`,`address`,`description`,`createdAt`) VALUES ($name,$dob,$address,$description,$createdAt)";
12
13 $result = $conn->query($sql);
14
15 if($result == TRUE) {
16     echo "New record created successfully";
17 }
18 else {
19     echo "Error:".$sql."<br>".$conn->error;
20 }
21 $conn->close();
22
23 ?>
24 }
25
26 <!DOCTYPE html>
27 <html>
28 <body style="background-color: pink">
29 <h2 style="text-align: center"> Signup form</h2>
30
31 <form action= "" method='POST'>
32 <fieldset>
33 <legend> personal Information:</legend>
34 name:<br>
35 <input type="text" name="name">
36 <br>
37 <br>
38 dob:<br>
```

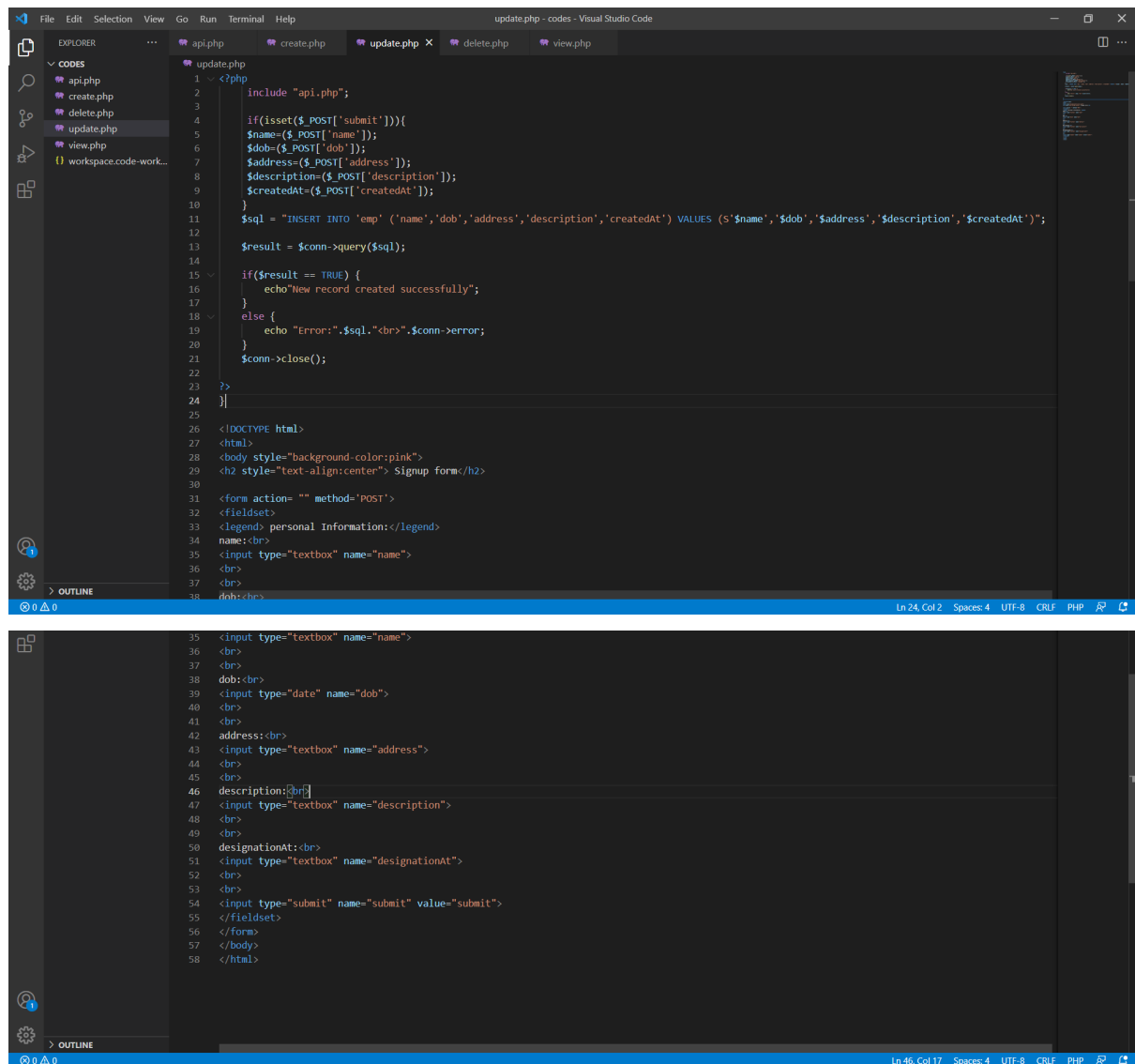
```
38     dob:<br>
39     <input type="date" name="dob">
40     <br>
41     <br>
42     address:<br>
43     <input type="text" name="address">
44     <br>
45     <br>
46     description:<br>
47     <input type="text" name="description">
48     <br>
49     <br>
50     designationAt:<br>
51     <input type="text" name="designationAt">
52     <br>
53     <br>
54     <input type="submit" name="submit" value="submit">
55 </fieldset>
56 </form>
57 </body>
58 </html>
```

View.php

```
view.php - codes - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
  api.php
  create.php
  delete.php
  update.php
  view.php
  workspace.code-work...
CODES
  view.php
1  <?php
2      include "api.php";
3
4      $sql = "SELECT *FROM emp";
5
6      $result = $conn->query($sql);
7  ?>
8
9
10 <!DOCTYPE html>
11 <html>
12 <head>
13 <title> view page</title>
14 <link rel="stylesheet"
15 href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">
16 </head>
17 <body>
18     <div class="container">
19         <h2>emp</h2>
20
21         <table class="table">
22             <thead>
23                 <tr>
24                     <th>name</th>
25                     <th>dob</th>
26                     <th>address</th>
27                     <th>description</th>
28                     <th>createdAt</th>
29                 </tr>
30             </thead>
31             <tbody>
32                 <tr>
33                     <td>
34                         <?php
35                         if($result->num_rows>0) {
36                             while($row=$result->fetch_assoc()) {
37                                 <tr>
38                                     <td><?php echo $row['id']; ?></td>
```

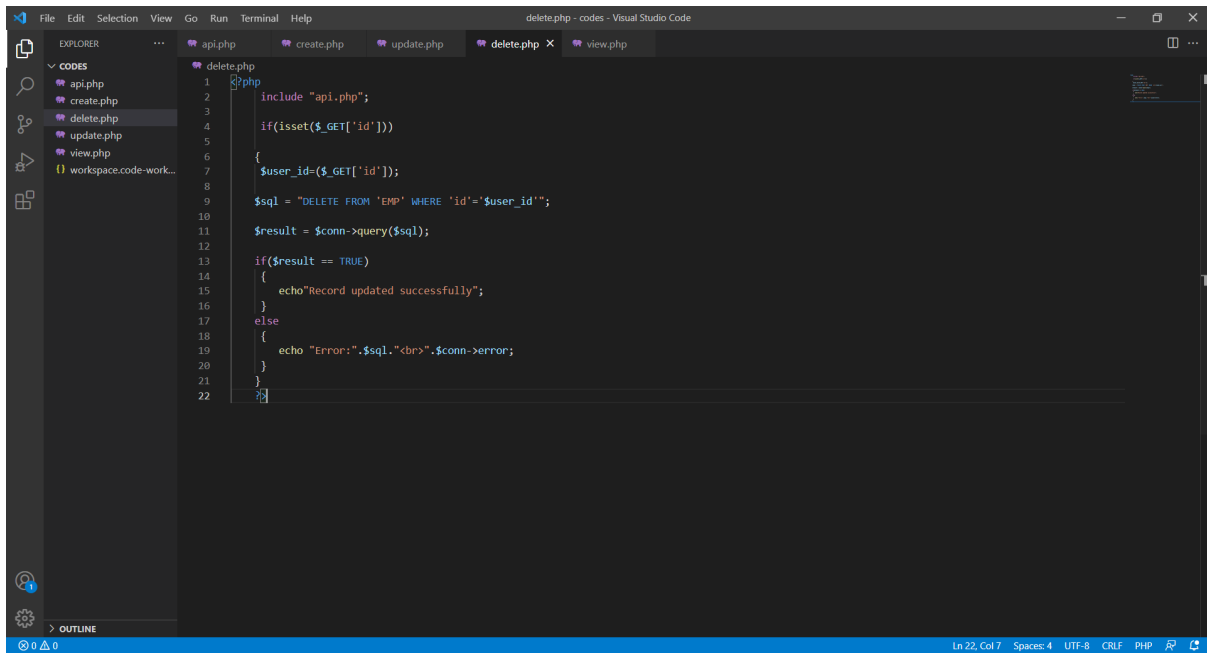
```
37         <tr>
38             <td><?php echo $row['id']; ?></td>
39             <td><?php echo $row['name']; ?></td>
40             <td><?php echo $row['dob']; ?></td>
41             <td><?php echo $row['address']; ?></td>
42             <td><?php echo $row['description']; ?></td>
43             <td><?php echo $row['createdAt']; ?></td>
44             <td><a class="btn btn-info" href="update.php?id=<?php echo $row['id']; ?>"
45                 edit</a>&nbsp;<a class="btn btn-danger" href="delete.php?id=<?php echo $row['id']; ?>"
46                 Delete</a></td>
47         </tr>
48     </tbody>
49     </table>
50 }
51 ?>
52 </table>
53 </div>
54 </body>
55 </html>
56
```

Update.php



```
1 <?php
2 include "api.php";
3
4 if(isset($_POST['submit'])){
5     $name=$_POST['name'];
6     $dob=$_POST['dob'];
7     $address=$_POST['address'];
8     $description=$_POST['description'];
9     $createdAt=$_POST['createdAt'];
10 }
11 $sql = "INSERT INTO 'emp' ('name','dob','address','description','createdAt') VALUES (S'$name','$dob','$address','$description','$createdAt')";
12
13 $result = $conn->query($sql);
14
15 if($result == TRUE) {
16     echo "New record created successfully";
17 }
18 else {
19     echo "Error: ".$sql."<br>".$conn->error;
20 }
21 $conn->close();
22
23 ?>
24 }
25
26 <!DOCTYPE html>
27 <html>
28 <body style="background-color: pink">
29 <h2 style="text-align: center"> Signup form</h2>
30
31 <form action="" method="POST">
32 <fieldset>
33 <legend> personal Information:</legend>
34 name:<br>
35 <input type="text" name="name">
36 <br>
37 <br>
38 dob:<br>
39 <input type="date" name="dob">
40 <br>
41 <br>
42 address:<br>
43 <input type="text" name="address">
44 <br>
45 <br>
46 description:<br>
47 <input type="text" name="description">
48 <br>
49 <br>
50 designationAt:<br>
51 <input type="text" name="designationAt">
52 <br>
53 <br>
54 <input type="submit" name="submit" value="submit">
55 </fieldset>
56 </form>
57 </body>
58 </html>
```

Delete.php:



```
1 <?php
2 include "api.php";
3
4 if(isset($_GET['id']))
5 {
6     $user_id=$_GET['id'];
7
8     $sql = "DELETE FROM 'EMP' WHERE 'id'='$user_id'";
9
10    $result = $conn->query($sql);
11
12    if($result == TRUE)
13    {
14        echo"Record updated successfully";
15    }
16    else
17    {
18        echo "Error:".$sql."<br>".$conn->error;
19    }
20 }
21
22
```

Final Table:

← → ↻ localhost/webportfolioproject/codes/.php

Apps TG Python Program Fo... Cognizant: Log in t... SkyCampus

```
[
  {
    "id": "1",
    "name": "sravani",
    "dob": "10\11\1999",
    "address": "hyderabad",
    "description": "i m employee",
    "createdAt": "9\10\2019"
  },
  {
    "id": "2",
    "name": "swathi",
    "dob": "10\09\2001",
    "address": "Delhi",
    "description": "i m trainee engineer",
    "createdAt": "10\09\2019"
  }
]
```