AIM

Compose Electricity bill from user input based on a given tariff using PHP.

Program Code

```
<!DOCTYPE html>
<head>
<title>Calculate Electricity Bill</title>
</head>
<?php
$result_str = $result = '';
if (isset($_POST['unit-submit'])) {
   $units = $_POST['units'];
   if (!empty($units)) {
      $result = calculate_bill($units);
      $result_str = 'Total amount of ' . $units . ' - ' . $result;
   }
}
function calculate_bill($units) {
   $unit_cost_first = 4;
   $unit_cost_second = 5;
   $unit_cost_third = 6;

   if($units <= 100) {
      $bill = $units * $unit_cost_first;
   }
   else if($units > 100 && $units <= 200) {
      $temp = 100 * $unit_cost_first;
      $remaining_units = $units - 100;
      $bill = $temp + ($remaining_units * $unit_cost_second);
   }
   else {
      $temp = (100 * 4) + (100 * $unit_cost_second) + (100 * $unit_cost_third);
      $remaining_units = $units - 200;
      $bill = $temp + $remaining_units ;
   }
   return number_format((float)$bill, 2, '.', '');
}
?>

<body bgcolor="lavender">
<div id="page-wrap">
<h1>Php - Calculate Electricity Bill</h1>

<form action="" method="post" id="quiz-form">
        <input type="number" name="units" id="units" placeholder="Please enter no. of
Units" />
```
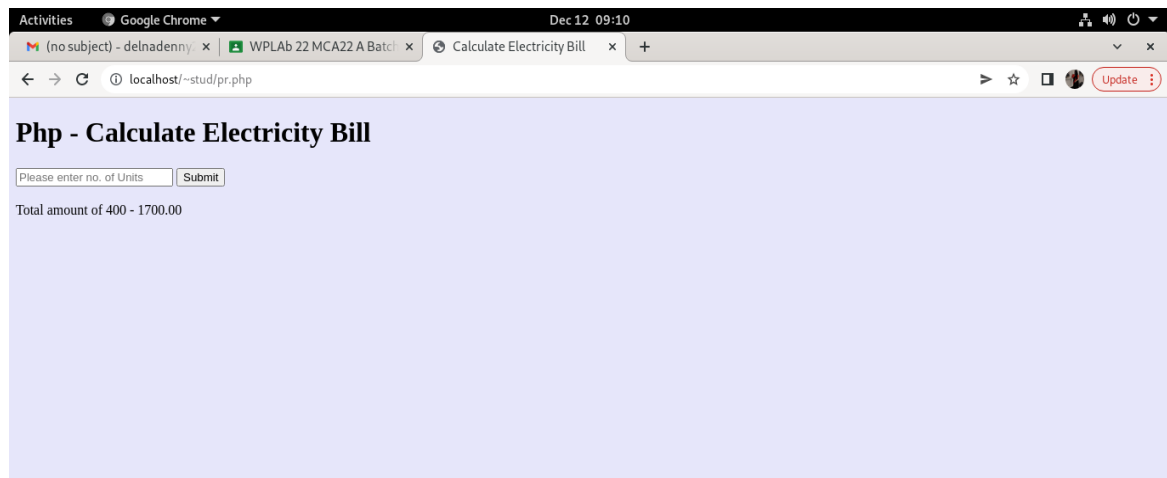
```
        <input type="submit" name="unit-submit" id="unit-submit" value="Submit" />
</form>

<div>
  <?php echo '<br />' . $result_str; ?>
</div>
</div>
</body>
```

AIM

Build a PHP code to store name of students in an array and display it using print_r function. Sort and Display the same using asort & arsort functions.

Program Code

sort.html

```html
<html>
<head><title>Stud</title></head>
<body bgcolor="lavender">
<h1 align="center"><u>WELCOME</u></h1><br><br>
<h3>Enter the Values</h3><br><br>
<form action="sortt.php" method="post">
<table align="center">
<tr>
        <th>Roll No</th>
        <td><input type="number" name="r1"></td>
        <th>Name</th>
        <td><input type="text" name="n1"></td>
</tr>
<tr>
        <th>Roll No</th>
        <td><input type="number" name="r2"></td>
        <th>Name</th>
        <td><input type="text" name="n2"></td>
</tr>
<tr>
        <th>Roll No</th>
        <td><input type="number" name="r3"></td>
        <th>Name</th>
        <td><input type="text" name="n3"></td>
</tr>
<tr>
        <th>Roll No</th>
        <td><input type="number" name="r4"></td>
        <th>Name</th>
        <td><input type="text" name="n4"></td>
</tr>
<tr>
        <th>Roll No</th>
        <td><input type="number" name="r5"></td>
        <th>Name</th>
        <td><input type="text" name="n5"></td>
</tr>
<tr>
        <th> </th>
```
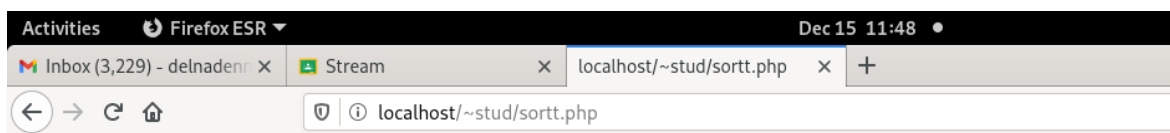
```
        <td><input type="submit" name="Submit" id="submit"></td>
</tr>
</body>
</html>
```

sortt.php

```php
<?php
echo"The student names represented in array are<br><br>";
$rl1=$_REQUEST["r1"];
$rl2=$_REQUEST["r2"];
$rl3=$_REQUEST["r3"];
$rl4=$_REQUEST["r4"];
$rl5=$_REQUEST["r5"];
$na1=$_REQUEST["n1"];
$na2=$_REQUEST["n2"];
$na3=$_REQUEST["n3"];
$na4=$_REQUEST["n4"];
$na5=$_REQUEST["n5"];
$arr=array("$rl1"=>"$na1","$rl2"=>"$na2","$rl3"=>"$na3","$rl4"=>"$na4","$rl5"=>"$na5")
;
print_r($arr);
echo"<br><br> The asorted array is:<br><br>";
asort($arr);
print_r($arr);
echo"<br><br> The arsorted array is:<br><br>";
arsort($arr);
print_r($arr);

?>
```

Output

WELCOME

Enter the Values

Roll No 1   **Name** delna

Roll No 2   **Name** archana

Roll No 3   **Name** devika

Roll No 4   **Name** manu

Roll No 5   **Name** flemin

Submit Query

Activities   Firefox ESR ▾   Dec 15 11:48 ●

M Inbox (3,229) - delnaden ×   Stream ×   localhost/~stud/sortt.php ×   +

← → C ⌂   localhost/~stud/sortt.php

The student names represented in array are

Array ([1] => delna [2] => archana [3] => devika [4] => manu [5] => flemin)

The asorted array is:

Array ([2] => archana [1] => delna [3] => devika [5] => flemin [4] => manu)

The arsorted array is:

Array ([4] => manu [5] => flemin [3] => devika [1] => delna [2] => archana)

AIM

Build a PHP code to store name of Indian Cricket players in an array and display the same in HTML table.

Program Code

```
<html>

<head>
<title>Cricket players</title></head>

<body bgcolor="lavender">
<h1 align="center">WELCOME</h1><br>
<h3>Enter the names of Players</h3><br>

<form action="cricket.php" method="post">

<table align="center" border="5">

<tr>

        <th bgcolor=cyan>Player1</th>

        <td bgcolor=><input type="text" name="p1" id="p1"></td>

</tr>

<tr>

        <th bgcolor=cyan>Player2</th>

        <td><input type="text" name="p2" id="p2"></td>

</tr>

<tr>

        <th bgcolor=cyan>Player3</th>

        <td><input type="text" name="p3" id="p3"></td>

</tr>

<tr>

        <th bgcolor=cyan>Player4</th>
```

```
            <td><input type="text" name="p4" id="p4"></td>

</tr>

<tr>

        <th bgcolor=cyan>Player5</th>

        <td><input type="text" name="p5" id="p5"></td>

</tr>

<tr>

        <th> </th>

        <td><input type="submit" value="submit"></td>

</tr>

</table>

</form>
</body>
</html>
```

cricket.php

```php
<?php

        $pl1=$_REQUEST["p1"];

        $pl2=$_REQUEST["p2"];

        $pl3=$_REQUEST["p3"];

        $pl4=$_REQUEST["p4"];

        $pl5=$_REQUEST["p5"];



        echo"<body style='background-color:lavender'>";

        echo"The names of indian cricket players are:<br><br>";


echo"<table border=10 cellspacing=3 cellpading=30>
```

```
        <tr>

                <th bgcolor=cyan>Player1</th>

                <td bgcolor=LawnGreen>$pl1</td>

        </tr>

        <tr>

                <th bgcolor=cyan>Player2</th>

                <td bgcolor=LawnGreen>$pl2</td>

        </tr>

        <tr>

                <th bgcolor=cyan>Player3</th>

                <td bgcolor=LawnGreen>$pl3</td>

        </tr>

        <tr>

                <th bgcolor=cyan>Player4</th>

                <td bgcolor=LawnGreen>$pl4</td>

        </tr>

        <tr>

                <th bgcolor=cyan>Player5</th>

                <td bgcolor=LawnGreen>$pl5</td>

        </tr>

        </table>";

        ?>
```
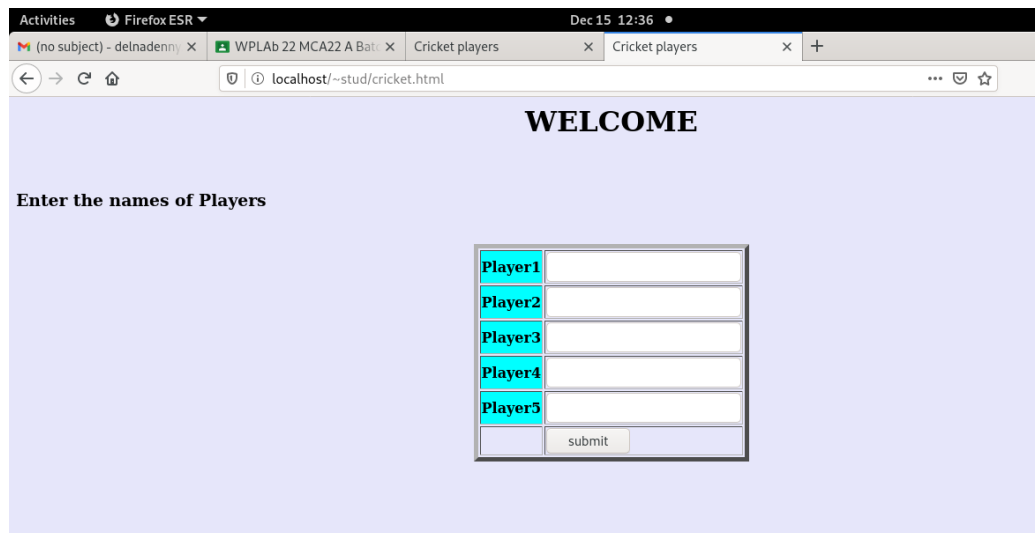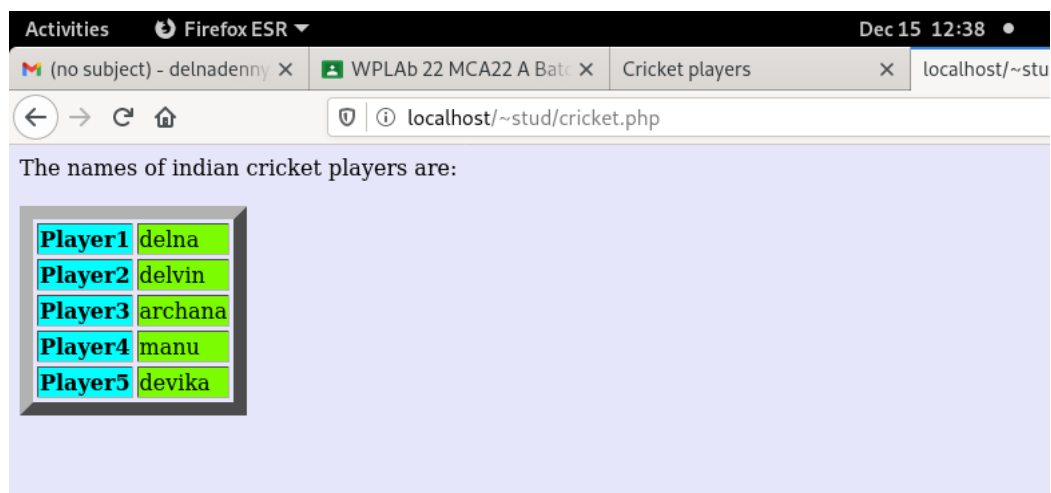
Output

AIM

Outline a registration form using PHP and do necessary validations.

Program Code

```php
<?php
$name = $email= $gender = $address= $phone= $gender= "";
$name1= $email1= $gender1= $address1= $phone1= $gender1= "";

if (isset($_POST["submit"]))
{
if (empty($_POST["fname"]))
{
$name = "Name is required";
}
else
{
$name1 = $_POST["fname"];
}

if (empty($_POST["email"]))
{
$email= "Email is required";
}
else
{
$email1= $_POST["email"];
}

if (empty($_POST["address"]))
{
$address = "Address is required";
}

else
{
$address1= $_POST["address"];
}
if (empty($_POST["gender"]))
{
$gender = "Gender is required";
}
else
{
$gender1 = $_POST["gender"];
}
if (empty($_POST["phone"]))
```

```
{
$phone= "phone is required";
}
else
{
$phone1 = $_POST["phone"];
}
}
?>
<html>
<head>
<style>
.error {color: #FF0000;}
td{
padding:15px;
}

</style>
</head>
<center>
<body bgcolor="PaleGreen">
<table table border="10" cellpadding="15" cellspacing="15" bgcolor="Turquoise">
<form method="post" action="#">
<h1><u>REGISTRATION FORM</u></h1><br>
<tr>
<td>Name :<input type="text" name="fname"></td>
<td><span class="error"><?php echo $name;?></span></td>
</tr>
<tr>
<td>Email id :<input type="text" name="email"></td>
<td><span class="error"><?php echo $email;?></span></td>
</tr>
<td>Gender : <input type="radio" name="gender" value="male">Male
<input type="radio" name="gender" value="female">Female</td>
<td><span class="error"><?php echo $gender;?></span></td>
</tr>
<tr>
<td>Phone no : <input type="text" name="phone"></td>
<td><span class="error"><?php echo $phone;?></span> </td>
</tr>
<tr>
<td>Address :<textarea rows="4" cols="20" name=address></textarea></td>
<td><span class="error"><?php echo $address;?></span></td>
</tr>
<td><center><input type="submit" name="submit" value="submit">

<input type="reset" name="reset" value="reset"></center></td></tr>
</table>
</form>
<?php
```

```php
if(isset($_POST['submit'])) {
if($name == "" && $email== "" && $phone == "" && $gender== "" && $address == "")
{
echo "<h3 color = #FF0001> <b>You have sucessfully registered.</b> </h3>";
echo "<h2>Your Input:</h2>";
echo "Name: " .$name1;
echo "<br>";
echo "Email: " .$email1;
echo "<br>";
echo "Phone No: " .$phone1;
echo "<br>";
echo "Address: " .$address1;
echo "<br>";
echo "Gender: " .$gender1;
} else {
echo "<h3> <b>You didn't filled up the form correctly.</b> </h3>";
}
}
?>
</body>
</html>
```

Output

AIM

Develop a PHP program to connect to a database and add data to the employee table and retrieve data from the table and
show the retrieved details in a neat format.

Program Code

Program.php

```
<html>
<head>
<title>
</title>
</head>
<body bgcolor="lavender">
<center>
<h1> add employee</h>
<form name="myform" action="#" method="POST">
<table border="5" cellspacing="15" cellpadding="15">
<tr>
<td>ID:</td>
<td><input type="number" name="id"></td>
</tr>
<tr>
<td>Name:</td>
<td><input type="text" name="name"></td>
</tr>
<tr>
<td>Age:</td>
<td><input type="number" name="age"></td>
</tr>
<tr>
<td>Dept:</td>
<td><input type="text" name="dept"></td>
</tr>
</table>
<input type="submit" value="submit" name="submit">
</form>
<form name=reg method=POST action= "program1.php">
<button>HOME</button>
</form>
</center>
</body>
</html>
<?php error_reporting(0); ?>
<?php
$n1 = $_POST["id"];
```

```php
$n2 = $_POST["name"];
$n3 = $_POST["age"];
$n4 = $_POST["dept"];
if (isset($_POST["submit"]))
{
$servername = "localhost";
$username = "fisat";
$password = "fisat";

$conn = new mysqli($servername, $username, $password,"fisatdb");
if ($conn->connect_error) {
  die("Connection failed: " . $conn->connect_error);
}
echo "Connected successfully";
$sql = "INSERT INTO emp(id,name,age,dept ) VALUES($n1,'$n2',$n3,'$n4')";
if ($conn->query($sql) === true) {
echo 'New row added.';
} else {
echo "ERROR: Could not execute query:";
}
$conn->close();
}
?>
```

demo.php

```php
<?php
$con = new mysqli("localhost", "fisat", "fisat", "fisatdb");
if ($con=== false) {
die("ERROR: Could not connect. " . mysqli_connect_error());
}
$sql = "SELECT * FROM emp";
if ($result = $con->query($sql))
{ if ($result->num_rows > 0) {
 ?>
<html>
<body>
<table border=5>
<tr>
<th>Employee ID</th><th>Employee Name</th><th>Employee
Department</th><th>Employee Age</th>
</tr>
<tr>
<?php while($row = $result->fetch_array()) { ?>
<td><?php echo $row[0]; ?> </td><td><?php echo $row[1];?></td><td><?php echo
$row[2];?></td><td><?php echo $row[3];?></td>
</tr>
<?php
} ?>
</table>
```

```
<form name=reg method=POST action= "program1.php">
<button>HOME</button>
</form>
</html>
<?php
$result->close();
} else {
echo "No records matching your query were found.";
}
} else {
echo "ERROR: Could not execute $sql. " . $con->error;
} $con->close();
?>
```

Program1.php

```
<html>
<head>
<title>homepage</title>
</head>
<body align="center">
<h2>Employee Registration</h2>
<form name=registation method="POST" action="program.php">
<button>REGISTER</button>
</form>
<form name=reg method="POST" action="demo.php">
<button>VIEW</button>
</form>
</body>
</html>
```

Output

Employee Registration

REGISTER

VIEW

Employee ID	Employee Name	Employee Department	Employee Age
21	delna	21	computer science

HOME

```
MariaDB [fisatdb]> select *from emp;
+--------+----------+---------+------------------+
| emp_id | emp_name | emp_age | emp_dept         |
+--------+----------+---------+------------------+
|   2022 | delna    |      21 | computer science |
+--------+----------+---------+------------------+
1 row in set (0.000 sec)
```

AIM

Using PHP and MySQL, develop a program to accept book information viz.
Accession number, title, authors, edition and publisher from a web page and store the
information in a database and to search for a book with the
title specified by the user and to display the search results with proper headings

Program Code

search1.php

```php
<?php
$n3=$_REQUEST['author'];
$con=new mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect";
}
?>
<html><h1 align="center">BOOK DETAILS</h1></html>
<?php
$sql="SELECT * FROM booki where author='$n3'";
if($result=$con->query($sql))
{

if($result->num_rows>0)
{
echo"<table border=1 align='center'>";
echo " <tr> <th>Accession Number</th><th>Title</th> <th>Author</th>
<th>Edition</th>  <th>Publisher</th>";

while($row=$result->fetch_array())
{
echo"<tr>
<td>$row[0]</td>
<td>$row[1]</td>
<td>$row[2]</td>
<td>$row[3]</td>
<td>$row[4]</td>

</tr>";
}
$result->close();
}
}

else
{
```

```php
echo "\nCould not found ";

}
?>
```

search.php

```html
<html>
<head>
<title>search</title>
</head>
<body>
<form name="frm2" action="search1.php"method="POST">
<center>
<b><u>SEARCH BOOKS</u></b><br>
Author name:<input type="text" name="author"><br>
<input type="submit" name="Submit">
</center>
</form>
</body>
</html>
```

demo.php

```php
<?php
$con = new mysqli("localhost", "fisat", "fisat", "fisatdb");
if ($con=== false) {
die("ERROR: Could not connect. " . mysqli_connect_error());
}
$sql = "SELECT * FROM booki";
if ($result = $con->query($sql))
{ if ($result->num_rows > 0) {
 ?>
<html>
<body>
<table border=5>
<tr>
<th>access number</th><th>title</th><th>author</th><th>edition</th><th>publisher</th>
</tr>
<tr>
<?php while($row = $result->fetch_array()) { ?>
<td><?php echo $row[0]; ?> </td><td><?php echo $row[1];?></td><td><?php echo
$row[2];?></td><td><?php echo $row[3];?></td><td><?php echo $row[4]; ?> </td>
</tr>
<?php
} ?>
</table>
<form name=reg method=POST action= "program1.php">
<button>HOME</button>
```

```
</form>
</html>
<?php
$result->close();
} else {
echo "No records matching your query were found.";
}
} else {
echo "ERROR: Could not execute $sql. " . $con->error;
} $con->close();
?>
```

program1.php

```
<html>
<head>
<title>homepage</title>
</head>
<body align="center">
<h2>BOOKS</h2>
<form name=registation method="POST" action="program.php">
<button>REGISTER</button>
</form>
<form name=reg method="POST" action="demo.php">
<button>VIEW</button>
</form>
<form name=search method="POST" action="search1.html">
<button>SEARCH</button>
</form>
</body>
</html>
```

program.php

```
<html>
<head>
<title>
</title>
</head>
<body bgcolor="lavender">
<center>
<h1> Book Information</h>
<form name="myform" action="#" method="POST">
<table border="5" cellspacing="15" cellpadding="15">
<tr>
<td>access number:</td>
<td><input type="number" name="acc_no"></td>
</tr>
<tr>
```

```
<td>Title:</td>
<td><input type="text" name="title"></td>
</tr>
<tr>
<td>Author:</td>
<td><input type="text" name="author"></td>
</tr>
<tr>
<td>Edition:</td>
<td><input type="text" name="edition"></td>
</tr>
<tr>
<td>Publisher:</td>
<td><input type="text" name="publisher"></td>
</tr>
</table>
<input type="submit" value="submit" name="submit">
</form>
<form name=reg method=POST action= "program1.php">
<button>HOME</button>
</form>
</center>
</body>
</html>
<?php error_reporting(0); ?>
<?php
$n1 = $_POST["acc_no"];
$n2 = $_POST["title"];
$n3 = $_POST["author"];
$n4 = $_POST["edition"];
$n5 = $_POST["publisher"];
if (isset($_POST["submit"]))
{
$servername = "localhost";
$username = "fisat";
$password = "fisat";

$conn = new mysqli($servername, $username, $password,"fisatdb");
if ($conn->connect_error) {
  die("Connection failed: " . $conn->connect_error);
}
echo "Connected successfully";
$sql = "INSERT INTO booki(acc_no,title,author,edition,publisher )
VALUES($n1,'$n2','$n3','$n4','$n5')";
if ($conn->query($sql) === true) {
echo 'New row added.';
} else {
echo "ERROR: Could not execute query:";
}
$conn->close();
```

```
}
?>
```

Output

BOOKS

REGISTER

VIEW

SEARCH

Book Information

access number:	
Title:	
Author:	
Edition:	
Publisher:	

submit

HOME

connected
New row added

access number	title	author	edition	publisher
2222	twisted	ana hunage	usa	usa publisher
3333	twisted games	ana huang	usa 4	USA publisher
4444	Hunting Adeline	H.D Carlton	usa 2	Barnes & Noble Press
5555	Does It Hurt	H.D Carlton	usa 1	Barnes & Noble Press
6666	Hunting Adeline	H.D Carlton	usa 2	Barnes & Noble Press

HOME

SEARCH BOOKS

Author name: H.D Carlton

Submit

BOOK DETAILS

Accession Number	Title	Author	Edition	Publisher
4444	Hunting Adeline	H.D Carlton	usa 2	Barnes & Noble Press
5555	Does It Hurt	H.D Carlton	usa 1	Barnes & Noble Press
6666	Hunting Adeline	H.D Carlton	usa 2	Barnes & Noble Press

AIM

Using PHP and MySQL, develop a program to collect airline details and display all the airlines between a particular source and destination.

Program Code

search1.php

```php
<?php
$depfrom=$_POST['txt'];
$ariplace=$_POST['txt1'];
$con=new mysqli("localhost","fisat","
if($con==false)
{
echo "Failed to connect";
}
else
{
echo "connected\n";
}
$sql="select * from airline where depfrom='$depfrom' and ariplace='$ariplace' ";
if($result=$con->query($sql))
{
if($result->num_rows>0)
{
while($row=$result->fetch_
{
echo "\n".$row[0].":".$row[1].":".$
}
$result->close();
}
else
{
echo "\nCould not found the airline";
}
}
else
{
echo "\nError:could not connect";
}
$con->close();
?>
```

search1.html

```
html>
<head>
<style>
#grad1 {
  height: 1000px;
  background-color: red;
  background-image: linear-gradient(red, yellow);
}
</style>
</head>
<body >
<form name="frm2" action="search1.php"method="
<center>
<b><u>SEARCH AIRLINE</u></b><br>
<table border="8">
<tr>
<td>DEPARTURE FROM:</td>
<td><input type="text" name="txt"></td>
</tr>
<tr>
<td>ARIVAL PLACE:</td>
<td><input type="text" name="txt1"></td>
</tr>
</table>
<input type="submit" name="Submit">
</center>
<div id="grad1"></div>
</form>
</body>
</html>
```

addair.php

```php
<?php
$id=$_POST['id'];
$name=$_POST['name'];
$depfrom=$_POST['depfrom'];
$deptime=$_POST['deptime'];
$airtime=$_POST['aritime'];
$airplace=$_POST['ariplace'];
$con=new mysqli("localhost","fisat","
if($con==false)
{
echo "Failed to connect";
}
else
{
echo "connected";
}
```

```php
$sql="INSERT INTO airline VALUES($id,'$name','$depfrom',
if($con->query($sql))
{
echo "<BR>";
echo 'New row added';
}
else
{
echo "ERROR:could not execute query";
}
$con->close();
?>
```

addairlineinfo.html

```html
<html><head>
<title>add airline</title></head>
<body>
<form name="frm1" action="addair.php" method="POST">
<center><b><u>Enter Airline Details</u></b><br>
<table border="5">
<tr>
<td>AIRLINE ID:</td>
<td><input type="number" name="airline_id"></td>
</tr>
<tr>
<td>AIRLINE NAME:</td>
<td><input type="text" name="airline_name"></td>
</tr>
<tr>
<td>DEPARTURE FROM:</td>
<td><input type="text" name="depfrom"></td>
</tr>
<tr>
<td>DEPARTURE TIME:</td>
<td><input type="number" name="deptime"></td>
</tr>
<tr>
<td>AIRIVAL TIME:</td>
<td><input type="number" name="airtime"></td>
</tr>
<tr>
<td>AIRIVAL PLACE:</td>
<td><input type="text" name="airplace"></td>
</tr>
</table>
<input type="submit" name="Submit">
<input type="reset" name="Reset">
```

```
</form>
</body>
</html>

airlineinfo.html

<html>
<head>
<style>
#grad1 {
  height: 1000px;
  background-color: red;
  background-image: linear-gradient(red, yellow);
}
</style>
</head>
<body align="center"><u>AIRLINE INFORMATION SYSTEM</u><br>
<a href="addairlineinfo.html">Add AIRLINE DETAILS</a><br>
<a href="search1.html">Search AIRLINE DETAILS</a><br>
<div id="grad1"></div>
</body>
</html>
```

Output

AIRLINE INFORMATION SYSTEM
Add AIRLINE DETAILS
Search AIRLINE DETAILS

connected
New row added

:info.html

Enter Airline Details

AIRLINE ID:	
AIRLINE NAME:	
DEPARTURE FROM:	
DEPARTURE TIME:	
AIRIVAL TIME:	
AIRIVAL PLACE:	

Submit   Reset

SEARCH AIRLINE

DEPARTURE FROM: ernakulam

ARIVAL PLACE: mumbai

Submit Query

```
MariaDB [fisatdb]> select * from airline;
+------------+--------------+-----------+---------+---------+----------+
| airline_id | airline_name | depfrom   | deptime | airtime | airplace |
+------------+--------------+-----------+---------+---------+----------+
|         22 | airindia     | ernakulam | 10      | 2       | mumbai   |
|         25 | airindia     | kochi     | 10      | 1       | delhi    |
+------------+--------------+-----------+---------+---------+----------+
2 rows in set (0.000 sec)
```