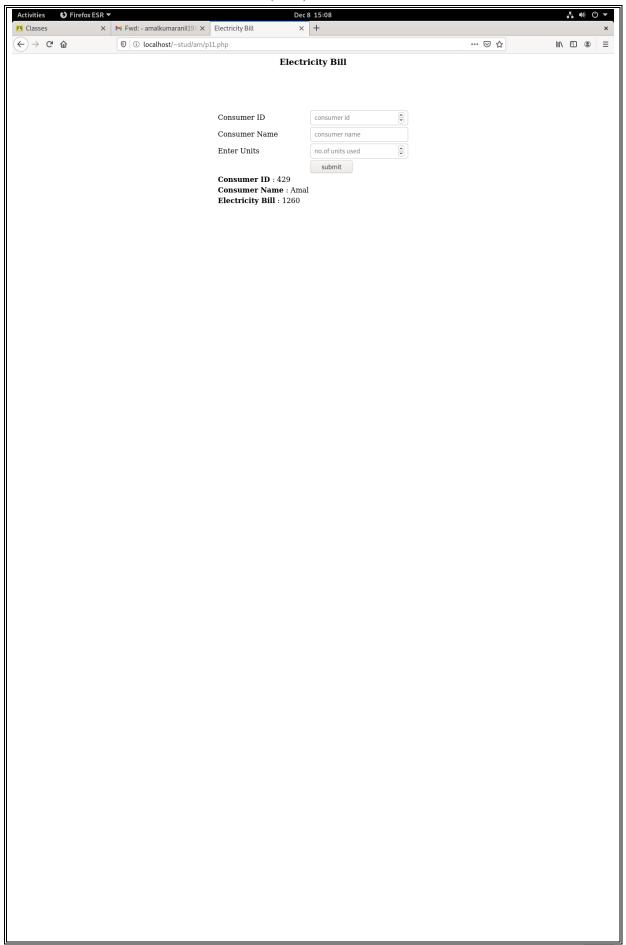
Compose Electricity bill from user input based on a given tariff using PHP.

```
<html>
<head>
<title>Electricity Bill</title>
</head>
<body>
<h3 align="center">Electricity Bill</h3>
<form method="post" action="">
Consumer ID<input type="number" name="con" placeholder="consumer"
id" required>>
Consumer Name<input type="text" name="name"
placeholder="consumer name" required><br/>>
Enter Units<input type="number" name="un" placeholder="no.of units"
used" required><br>
<?php
if (isset($_POST['submit']))
$cid=$_POST['con'];
$cname=$_POST['name'];
<?php echo '<b>Consumer ID </b>: '.$cid; ?> 
<?php echo '<b>Consumer Name </b>: '.$cname; ?> 
<?php
$unit=$_POST['un'];
if ($unit>=50)
$bill=$unit*3.15:
echo '<b>Electricity Bill</b>: '.$bill;
elseif ($unit>50 && $unit<=150)
$bill=$unit*3.70;
echo '<b>Electricity Bill</b>: ',$bill;
elseif ($unit>150 && $unit<=200)
$bill=$unit*6.40;
echo '<b>Electricity Bill</b>: ',$bill;
else
```

```
$bill=$unit*7.60;;
echo '<b>Electricity Bill</b>: ',$bill;
else
echo '<script>alert("try again")</script>';
?>
</form>
</body>
</html>
Output
Classes
                 × ► Fwd: - amalkumaranil199 × Electricity Bill
                                                          × +
 ← → ℃ む
                     🕡 🛈 localhost/~stud/am/p11.php
                                                                                              ... ⊌ ☆
                                                                                                                III\ 🗓 😩
                                                       Electricity Bill
                                             Consumer ID
                                                           consumer id
                                             Consumer Nam Please enter a number.
                                             Enter Units
Activities ② Firefox ESR ▼
                                                          Dec 8 15:08
                  × ► Fwd: - amalkumaranil199 × Electricity Bill
 ← → C ⊕
                     🛈 🛈 localhost/~stud/am/p11.php
                                                                                              ... ⊌ ☆
                                                                                                                Electricity Bill
                                             Consumer ID
                                             Consumer Name Amal
                                             Enter Units
                                                          submit
```

FEDERAL INSTITUTE OF SCIENCE & TECHNOLOGY (FISAT)



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

Student Name

S.php

```
<html>
 <head>
   <title>Student Name</title>
   <style>
   body{
     padding-top:70px;
   </style>
 </head>
 <body align="center"bgcolor="powderblue">
            <form method="POST" action="p1.php">
                  <h1>Enter any 4 names:</h1>
                  Name1: <input type="text" name="name1" id="name1"><br>
                  Name2: <input type="text" name="name2" id="name2"><br>
                  Name3: <input type="text" name="name3" id="name3"><br>
                  <input type="submit" name="submit" id="submit"><br>
            </form>
      </body>
</html>
p1.php
<html>
 <head>
   <title>Student Name</title>
   <style>
    body{
    padding-top:70px;
   </style>
 </head>
 <body align="center"bgcolor="powderblue">
    if (isset($_POST['submit']))
      nec(0) = POST['name1'];
```

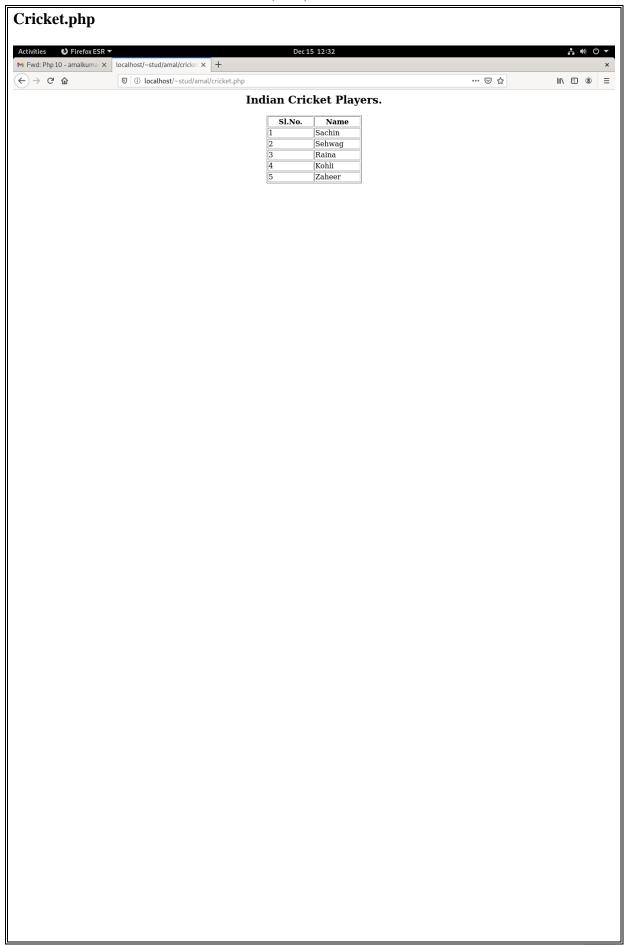
```
$name [1]= $_POST['name2'];
           $name [2]= $_POST['name3'];
           $name [3]= $_POST['name4'];
           echo "Names:";
           print_r($name);
           echo"<br>";
           echo"Names in ascending order:";
           asort($name);
           print_r($name);
           echo"<br>";
           echo"Names in descending order:";
           arsort($name);
           print_r($name);
        ?>
  </body>
</html>
Output
M Fwd: book python pgm5 ⊂ x  Student Name x +
                                                                                                                       > ☆ □  Update :
 ← → C ① localhost/~stud/p.php?name1=Amala&name2=Abhinadh&name3=Amir&name4=Anex&submit=Submit#
 Ⅲ Apps G Gmail • YouTube • Maps
                                                          Enter any 4 names:
M Fwd: book python pgm5 ⊂ x  Student Name x +
                                                                                                                       > ☆ □ ② Update :
 ← → C ① localhost/~stud/p1.php
 Names: Array ( [0] => chinju [1] => minju [2] => kunju [3] => renju ) \\ Names in ascending order: Array ( [0] => chinju [2] => kunju [1] => minju [3] => renju ) \\ Names in descending order: Array ( [3] => renju [1] => minju [2] => kunju [0] => chinju )
```

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

```
players.php
```

```
<html>
       <head>
              <title>Players</title>
       </head>
       <body bgcolor="powderblue">
              <h2 align='center'>Indian Cricket Players.</h2>
              <center>
              <form name="form" method="POST" action="cricket.php">
                     <strong>Enter Name Of Cricket Player 1: </strong><input type="text"</pre>
name="name1" required>
                     <br>><br>>
                     <strong>Enter Name Of Cricket Player 2: </strong><input type="text"</pre>
name="name2" required>
                     <br>><br>>
                     <strong>Enter Name Of Cricket Player 3: </strong><input type="text"</pre>
name="name3" required>
                     <br>><br>>
                     <strong>Enter Name Of Cricket Player 4: </strong><input type="text"</pre>
name="name4" required>
                     <br>><br>>
                     <strong>Enter Name Of Cricket Player 5: </strong><input type="text"</pre>
name="name5" required>
                     <br>><br>>
                     <input type="submit" name="submit" value="Submit">
                     <input type="reset" name="reset" value="Reset">
              </form>
              </center>
       </body>
</html>
```

```
Cricket.php
<?php
      $names[0]=$ POST['name1'];
      $names[1]=$_POST['name2'];
      $names[2]=$_POST['name3'];
      $names[3]=$_POST['name4'];
      nes[4]=\DOST['name5'];
      $length=count($names);
      echo "<h2 align='center'>Indian Cricket Players.</h2>";
      echo "";
             echo "";
                    echo "S1.No.";
                    echo "Name";
             echo "";
             for($i=0;$i<$length;$i++)
                    echo "";
                           echo "".($i+1)."";
                           echo "".$names[$i]."";
                    echo "";
      echo "";
Output
players.php
M Fwd: Php 10 - amalkuma × Program 11
← → ♂ ☆
              (i) localhost/~stud/amal/ph.php
                                                                 ... ⊌ ☆
                                                                              Indian Cricket Players.
                          Enter Name Of Cricket Player 1: Sachin
                          Enter Name Of Cricket Player 2: Sehwag
                          Enter Name Of Cricket Player 3: Raina
                          Enter Name Of Cricket Player 4: Kohli
                          Enter Name Of Cricket Player 5: Zaheer
                                     Submit Reset
```



Outline a registration form using PHP and do necessary validations

```
<html>
<head>
<title>PHP form validation</title>
</head>
<body bgcolor="powderblue">
  <?php
  $name=$number=$email=$comment=$gender="";
  $nameErr = $numberErr = $emailErr = $commentErr = $genderErr = "";
  if($_SERVER["REQUEST_METHOD"]== "POST"){
    if(empty($_POST["name"])){
      $nameErr = "name cant be null";
      $name = input($_POST["name"]);
    if(!preg match("/^[a-zA-Z]*$/",$name)){
      $nameErr = "name must be charecter";
    if(empty($_POST["number"])){
      $numberErr = "number cant be empty";
    }else{
      $number = input($_POST["number"]);
    if(!preg_match("/^[0-9]*$/",$number)){
      $numberErr = "mobile must be numbers";
    if(strlen($number)!=10){
      $numberErr = "mobile must be 10 digits";
    if(empty($_POST["email"])){
      $emailErr = "it cant be empty";
    }else{
      $name = input($_POST["email"]);
    if(empty($_POST["comment"])){
      $commentErr = "comment not be empty";
    }else{
      $email = input($_POST["comment"]);
    if(empty($_POST["gender"])){
      $genderErr = "gender not be empty";
    }else{
      $gender = input($_POST["gender"]);
```

```
function input($data){
    $data=trim($data);
    $data=stripslashes($data);
    $data=htmlspecialchars($data);
    return $data;
  ?>
  <span class="error" ><font color="red">* must required</span></font><br><br>
  <h2 align="center">REGISTRATION FORM</h2>
  <center>
  <form method="POST" action=" <?php echo</pre>
htmlspecialchars($_SERVER["PHP_SELF"]);?>">
    NAME:
    <input type="text" name="name">
    <span class="error">*<?php echo $nameErr ?></span>
    <br>><br>>
    NUMBER:
    <input type="number" name="number">
    <span class="error">*<?php echo $numberErr ?></span>
    <br>><br>>
    EMAIL:
    <input type="email" name="email">
    <span class="error">*<?php echo $emailErr ?></span>
    <br>><br>>
    COMMENT:
    <input type="text area" name="comment">
    <span class="error">*<?php echo $commentErr ?></span>
    <br>><br>>
    GENDER:
    <input type="radio" name="gender" value="male">male
    <input type="radio" name="gender" value="female">female
    <input type="radio" name="gender" value="other">other
    <span class="error">*<?php echo $genderErr ?></span>
    <br>><br>>
    <input type="submit" name="submit" value="Submit">
    </center>
</form>
<?php
if (isset($_POST["submit"])) {
  if ($nameErr == "" && $numberErr == "" && $emailErr == "" && $commentErr == ""
&& $genderErr == "") {
    echo "registration successfull";
  } else {
    echo "registration not successfull";
    echo "<br/>tr>";
    echo "your input is shown below:";
    echo "name :".$name:
```

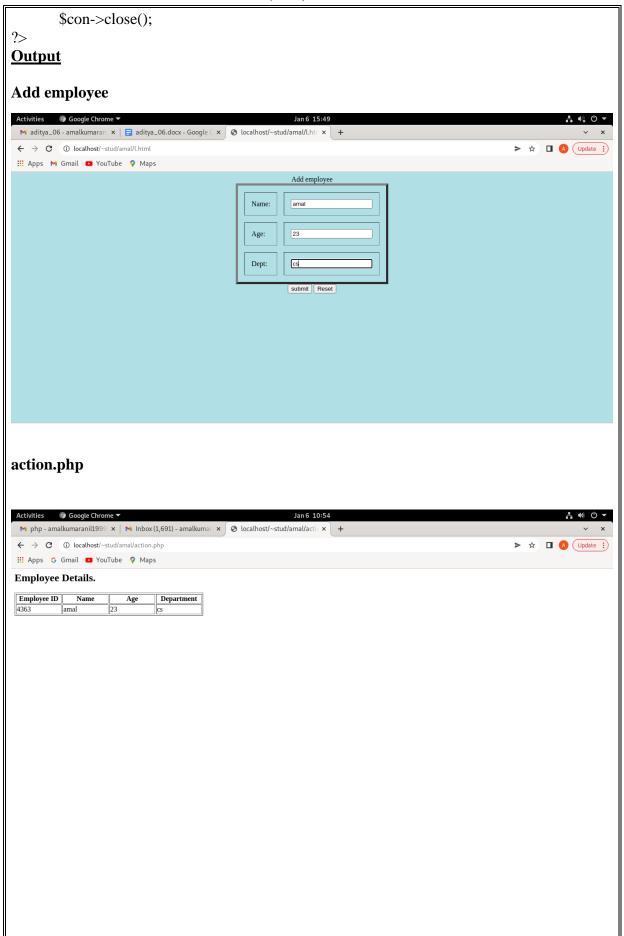
```
echo "<br/>t>";
      echo "mobile no :".$number;
      echo "<br/>t>";
      echo "email:".$email;
      echo "<br>";
      echo "comment:".$comment;
      echo "<br/>tr>";
      echo $gender;
      echo "<br>";
   }
</body>
</html>
Output
* must required
                                                REGISTRATION FORM
                                                NAME:
                                               NUMBER:
                                                EMAIL:
                                              COMMENT:
                                               GENDER: omale female other *
                                                          Submit
registration successfull
* must required
                                                REGISTRATION FORM
                                          NAME:
                                                                    *name cant be null
                                      NUMBER:
                                                                *mobile must be 10 digits
                                          EMAIL:
                                                                     *it cant be empty
                                      COMMENT:
                                                                    *comment not be empty
                                        GENDER: Omale Ofemale Oother *gender not be empty
                                                         Submit
registration not successfull
your input is shown below:name :
mobile no :
email :
comment :
```

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.

```
Add employee
```

```
<html>
<head>
<title>
</title>
</head>
<body bgcolor="powderblue">
<center>
<h1> Add employee</h>
<form name="myform" action="action.php" method="POST">
Name:
<input type="text" name="fname">
Age:
<input type="number" name="age">
Dept:
<input type="text" name="fdept">
<input type="submit" value="submit" name="submit">
<input type="reset" value="reset" name="reset">
</form>
</center>
</body>
</html>
action.php
<?php
     $con= new mysqli("localhost","fisat","fisat","fisatdb");
     if($con===false)
          die("ERROR: Could not connect. " . mysqli_connect_error());
     else
```

```
$name=$_POST['fname'];
           $age=$_POST['age'];
           $dep=$_POST['fdept'];
           $id=rand(1000,9999);
           $sql = "INSERT INTO employee (emp_id,name,age,department) VALUES
('$id','$name','$age','$dep')";
           if ($con->query($sql) === true)
                 $sql1 = "SELECT emp_id,name,age,department FROM employee";
           if ($result=$con->query($sql1))
                 if (($result->num_rows)>0)
                       echo "<h2>Employee Details.</h2>";
                       echo "";
                            echo "";
                                  echo "Employee ID";
                                  echo "Name";
                                  echo "Age";
                                  echo "Department";
                            echo "";
                       while($row = $result->fetch_array())
                            echo "";
                                  echo "".$row[0]."";
                                  echo "".$row[1]."";
                                  echo "".$row[2]."";
                                  echo "".$row[3]."";
                            echo "";
                       }
                       echo "";
                       $result->close();
           }
           else
                 echo "ERROR: Could not execute query: $sql1.".$con->error;
           else
                 echo "ERROR: Could not execute query: $sql. " . $con->error;
     }
```



Database
riaDB [fisatdb]> select * from employee; pty set (0.000 sec)
riaDB [fisatdb]> select * from employee;
+++ emp_id name age department
4363 amal 23 cs
row in set (0.000 sec)
riaDB [fisatdb]>
'I

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.

```
pg14.html
```

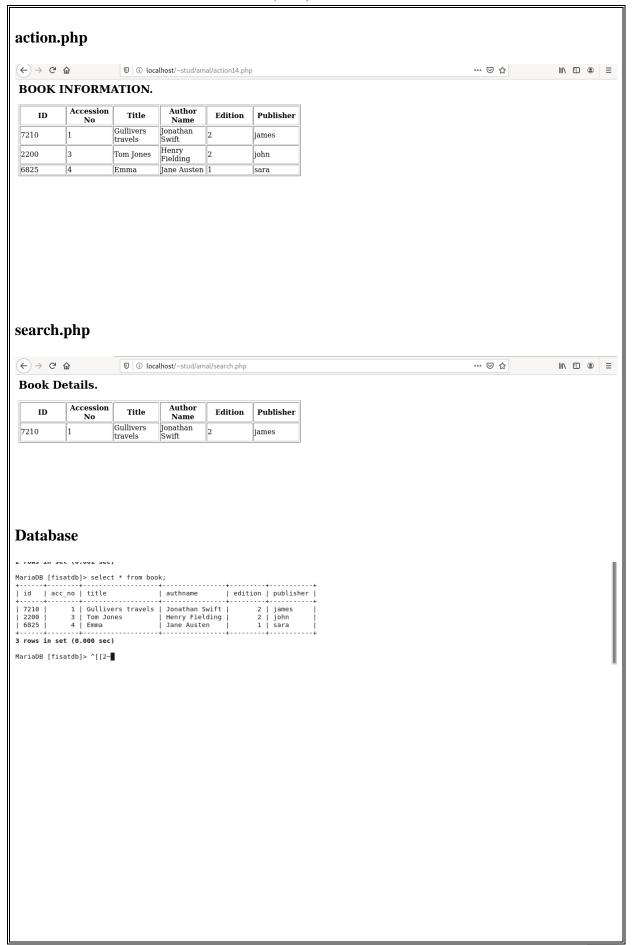
```
<html>
       <head>
              <title>Program 14</title>
       </head>
       <body bgcolor="powderblue">
         <center>
              <h2>Employee Details.</h2>
              <form name="form1" method="POST" action="action14.php">
                     <strong>Enter Accsession number: </strong><input type="number"</pre>
name="an" required>
                     <br>><br>>
                     <strong>Enter Title: </strong><input type="text" name="title"</pre>
required>
                     <br>><br>>
                     <strong>Enter author name: </strong><input type="text"</pre>
name="aname" required>
                     <br>><br>>
                     <strong>Enter edition: </strong><input type="number"</pre>
name="edition" required>
                     <br>><br>>
                     <strong>Enter publisher: </strong><input type="text" name="publish"</pre>
required>
                     <br>><br>>
                     <input type="submit" name="submit" value="Submit" >
                     <input type="reset" name="reset" value="Reset">
              </form>
              </center>
       </body>
</html>
b.html
```

```
<html>
       <head>
              <title>Program 14</title>
       </head>
       <body align="center" bgcolor="powderblue">
              <br>
              <h2>Book Information System.</h2>
             <br/>br>
              <a href="src.html"><button>Search For a Book</button></a>
              <a href="pg14.html"><button>New Book Entry</button></a>
       </body>
</html>
src.html
<html>
       <head>
              <title>Program 14</title>
       </head>
       <body bgcolor="powderblue">
       <center>
              <h2 align="center">Book Information System.</h2>
              <h2>Search Book.</h2>
              <form name="form1" method="POST" action="search.php">
                     <strong>Enter Book Title: </strong><input type="text"</pre>
                     name="title"required>
                     <br>><br>>
                     <input type="submit" name="submit" value="Submit">
                     <input type="reset" name="reset" value="Reset">
              </form>
             <hr><hr><
              </center>
       </body>
</html>
action.php
<?php
       $con= new mysqli("localhost","fisat","fisat","fisatdb");
       if($con===false)
             die("ERROR: Could not connect. " . mysqli_connect_error());
       else
```

```
$access=$_POST['an'];
           $title=$_POST['title'];
           $author=$ POST['aname'];
           $edit=$_POST['edition'];
           $pub=$_POST['publish'];
           $id=rand(1000,9999);
           $sql = "INSERT INTO book (id,acc_no,title,authname,edition,publisher)
VALUES ('$id', '$access', '$title', '$author', '$edit', '$pub')";
           if ($con->query($sql) === true)
                 $sql1 = "SELECT id,acc_no,title,authname,edition,publisher FROM
book";
           if ($result=$con->query($sql1))
                 if (($result->num rows)>0)
                      echo "<h2>BOOK INFORMATION.</h2>";
                      echo "";
                            echo "";
                                  echo "ID";
                                  echo "Accession No";
                                  echo "Title":
                                  echo "Author Name";
                                  echo "Edition";
                                  echo "Publisher";
                            echo "";
                       while($row = $result->fetch_array())
                            echo "";
                                  echo "".$row[0]."";
                                  echo "".$row[1]."";
                                  echo "".$row[2]."";
                                  echo "".$row[3]."";
                                  echo "".$row[4]."";
                                  echo "".$row[5]."";
                            echo "";
                       }
                      echo "";
                       $result->close();
                 }
           else
                 echo "ERROR: Could not execute query: $sql1.".$con->error;
```

```
}
          else
                echo "ERROR: Could not execute query: $sql. " . $con->error;
     $con->close();
?>
search.php
<?php
     $con= new mysqli("localhost","fisat","fisatdb");
     if($con===false)
          die("ERROR: Could not connect. " . mysqli_connect_error());
     else
          $title=$_POST['title'];
          $sql1 = "SELECT * FROM book WHERE title LIKE '%$title%'";
          if ($result=$con->query($sql1))
                if (($result->num rows)>0)
                     echo "<h2>Book Details.</h2>";
                     echo "";
                           echo "";
                                echo "":
                                echo "ID";
                                 echo "Accession No";
                                 echo "Title";
                                 echo "Author Name";
                                echo "Edition";
                                echo "Publisher";
                           echo "";
                     while($row = $result->fetch_array())
                           echo "";
                                 echo "".$row[0]."";
                                echo "".$row[1]."";
                                echo "".$row[2]."";
                                echo "".$row[3]."";
                                echo "".$row[4]."";
                                echo "".$row[5]."";
                           echo "";
```

```
echo "";
                                 $result->close();
                }
                else
                        echo "ERROR: Could not execute query: $sql1." . $con->error;
        $con->close();
?>
Output
pg14.html
(←) → ♂ ☆
           🕡 🛈 localhost/~stud/amal/pg14.html
                                                                               ... ☑ ☆ |||\ 🗓 ③ =
                                          Employee Details.
                                  Enter Accsession number: 4
                                                                   •
                                       Enter Title: Emma
                                    Enter author name: Jane Austen
                                      Enter edition: 1
                                                               $
                                     Enter publisher: sara
                                            Submit Reset
b.html
← → C û localhost/~stud/amal/b.html
                                                                               ... ☑ ☆ |||\ 🗓 ③ ≡
Book Information System.
  Search For a Book New Book Entry
src.html
← → C û localhost/~stud/amal/src.html
                                                                               ... ☑ ☆ |||\ 🗓 ② ≡
                                      Book Information System.
                                             Search Book.
                                     Enter Book Title: Gullivers travels
                                             Submit Reset
```



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

```
prog15.html
```

```
<html>
      <head>
             <title>airline</title>
      </head>
      <body align="center">
             <br>
             <h2>AIRLINE INFORMATION SYSTEM</h2><br>
             <a href="add.html"><button>ADD AIRLINE DETAILS</button></a>
             <a href="src.html"><button>SEARCH AIRLINE DETAILS</button></a>
      </body>
</html>
add.html
<html>
      <head>
             <title>add airline</title>
      </head>
      <body>
             <form name="form1" action="action15.php" method="POST">
                    <h2>Enter Airline Details</h2><br><br>
                    <strong>AIRLINE ID: </strong><input type="number"</pre>
name="id"><br><br>
                    <strong>AIRLINE NAME: </strong><input type="text"</pre>
name="name"><br><br>
                    <strong>DEPARTURE FROM: </strong><input type="text"</pre>
name="depfrom"><br><br>
                    <strong>DEPARTURE TIME: </strong><input type="number"</pre>
name="deptime"><br><br>
                    <strong>ARRIVAL TIME: </strong><input type="number"</pre>
name="aritime"><br><br>
                    <strong>ARRIVAL PLACE: </strong><input type="text"</pre>
name="ariplace"><br><br>
                    <input type="submit" name="Submit">
                    <input type="reset" name="Reset">
             </form>
      </body>
</html>
```

```
src.html
<html>
      <head>
             <title>search</title>
      </head>
      <body>
             <form name="form2" action="search.php"method="POST">
                    <h2>SEARCH AIRLINE</h2><br>
                    <strong>DEPARTURE FROM: </strong><input type="text"</pre>
name="txt"><br><br>
                    <strong>ARRIVAL PLACE: </strong><input type="text"</pre>
name="txt1"><br><br>
                    <input type="submit" name="Submit">
                    <input type="reset" name="Reset">
             </form>
      </body>
</html>
action15.php
<?php
      $id=$_POST['id'];
      $name=$ POST['name'];
      $depfrom=$_POST['depfrom'];
      $deptime=$_POST['deptime'];
      $airtime=$ POST['aritime'];
      $airplace=$_POST['ariplace'];
      $con=new mysqli("localhost","fisat","fisat","fisatdb");
      if($con==false)
             echo "Failed to connect";
      else
             $sql="INSERT INTO cliff_airline"
VALUES('$id', '$name', '$depfrom', $deptime, $airtime, '$airplace')";
             if($con->query($sql))
                    $sql="SELECT * FROM cliff_airline";
                    if($result=$con->query($sql))
                           if($result->num_rows>0)
                                  echo "<h2>Book Details.</h2>";
                                         echo "";
                                               echo "";
```

```
echo "Airline
ID";
                                          echo "<th
width='100'>Name";
                                          echo "Departure
From";
                                          echo "Departure
Time";
                                          echo "Arrival
Time";
                                          echo "Arrival
Place";
                                    echo "";
                               while($row = $result->fetch_array())
                                    echo "";
                                          echo "".$row[0]."";
                                          echo "".$row[1]."";
                                          echo "".$row[2]."";
                                          echo "".$row[3]."";
                                          echo "".$row[4]."";
                                          echo "".$row[5]."";
                                    echo "";
                               }
                               echo "";
                          $result->close();
                    else
                          echo "\nCould not found the airline";
               else
                    echo "\nError:could not connect";
          }
          else
               echo "ERROR:could not execute query";
     $con->close();
?>
```

```
search.php
<?php
     $depfrom=$ POST['txt'];
     $ariplace=$_POST['txt1'];
     $con=new mysqli("localhost", "fisat", "fisat", "fisatdb");
     if($con==false)
          echo "Failed to connect";
     else
          $sql="SELECT * FROM cliff_airline WHERE depfrom='$depfrom' AND
airplace='$ariplace' ";
          if($result=$con->query($sql))
                if($result->num_rows>0)
                     echo "<h2>Book Details.</h2>";
                           echo "";
                                echo "";
                                      echo "Airline ID";
                                      echo "Name";
                                      echo "Departure
From";
                                      echo "Departure
Time";
                                      echo "Arrival
Time";
                                      echo "Arrival
Place";
                                echo "";
                           while($row = $result->fetch_array())
                                echo "";
                                      echo "".$row[0]."";
                                      echo "".$row[1]."";
                                      echo "".$row[2]."";
                                      echo "".$row[3]."";
                                      echo "".$row[4]."";
                                      echo "".$row[5]."";
                                echo "";
                           echo "";
                     $result->close();
                else
```

```
echo "\nCould not found the airline";
                     else
                                echo "\nError:could not connect";
          $con->close();
Output
prog15.html
🖪 WPLAb 22 MCA22 A Batcl: x | 🔥 Program 14 - Google Driv x 🔇 airline x | w SQL DELETE Statement x | M php - grgclffrd@gmail.co x | +
 \leftarrow \rightarrow C (i) localhost/~stud/Cliff/prog15.html
                                                                                                       Q > ☆ □ 📓 Update :
                                               AIRLINE INFORMATION SYSTEM
                                                ADD AIRLINE DETAILS SEARCH AIRLINE DETAILS
add.html
■ WPLAb 22 MCA22 A Batcl x | △ Program 14 - Google Driv. x ③ add airline x W SQL DELETE Statement x | M php - grgclffrd@gmail.co x | + v x
 \leftarrow \rightarrow \mathbf{C} \odot localhost/~stud/Cliff/add.html
                                                                                                       Q ➤ ☆ □ 🛮 Update :
Enter Airline Details
AIRLINE ID: 3454
AIRLINE NAME: Emirates
DEPARTURE FROM: DUB
DEPARTURE TIME: 4
ARRIVAL TIME: 8
ARRIVAL PLACE: EKM
Submit Reset
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