## AIM

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

## Program Code

```
< 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);
    }
```

```php
   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, '.', '');

}

?>
```

```html
<body>


<h1>Php - Calculate Electricity Bill</h1>


<form action="" method="post">
        <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>


</body>
</html
```

**Output**

# Php - Calculate Electricity Bill

Please enter name | Please enter no. of Units | Submit

Total amount of 150 - 650.00

**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**

```php
<?php
        $std=array("Anu","Aarathi","Jeeva","Neethu","Diya");
        echo"The array is:";
        print_r($std);
        asort($std);
        echo"The asorted array is:";
        print_r($std);
        $std=array("Anu"=>"5","Aarathi"=>"1","Jeeva"=>"12","Neethu"=>"45","Diya"=>"8
");
        arsort($std);
        echo"The arsorted array is:";
        print_r($std);
?
```

**Output**

```
The array is:Array
(
    [0] => Anu
    [1] => Aarathi
    [2] => Jeeva
    [3] => Neethu
    [4] => Diya
)
The asorted array is:Array
(
    [1] => Aarathi
    [0] => Anu
    [4] => Diya
    [2] => Jeeva
    [3] => Neethu
)
The arsorted array is:Array
(
    [Neethu] => 45
    [Jeeva] => 12
    [Diya] => 8
    [Anu] => 5
    [Aarathi] => 1
```

## AIM

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

## Program Code

### Pro11.html

```
<html>
<head>
<title>cricket</title>
</head>
<body bgcolor="skyblue">
<h1 align="center">Indian Cricket Players</h1><br>
<form action="pro11.php" method="post">
<table align="center">
<tr>
<th>Player 1:</th>
<td><input type="text" name="p1" id="p1"></td>
</tr>
<tr>
<th>Player 2:</th>
<td><input type="text" name="p2" id="p2"></td>
</tr>
<tr>
<th>Player 3:</th>
<td><input type="text" name="p3" id="p3"></td>
</tr>
<tr>
<th>Player 4:</th>
<td><input type="text" name="p4" id="p4"></td>
</tr>
<tr>
```

```
<th>Player 5:</th>

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

</tr>

<tr>

<th></th>

<td><input type="Submit" name="Submit"></td>

</tr>

</table>

</form>

</body>

</html>
```

**Pro11.php**

```php
<html>

<?php

$pl1=$_REQUEST["p1"];

$pl2=$_REQUEST["p2"];

$pl3=$_REQUEST["p3"];

$pl4=$_REQUEST["p4"];

$pl5=$_REQUEST["p5"];

$arr=array("$pl1","$pl2","$pl3","$pl4","$pl5");?><center>

<?php echo"indian cricket players<br><br>";?></center>

<center><table border="1">

<tr>

<th>Player 1</th>

<td><?php echo $pl1 ?></td>

</tr>

<tr>

<th>Player 2</th>

<td><?php echo $pl2 ?></td>

</tr>
```

```
<tr>
<th>Player 3</th>
<td><?php echo $pl3 ?></td>
</tr>
<tr>
<th>Player 4</th>
<td><?php echo $pl4 ?></td>
</tr>
<tr>
<th>Player 5</th>
<td><?php echo $pl5 ?></td>
</tr>
</table>
</center>
</html>
```

**Output**

# Indian Cricket Players

Player 1: Dhoni

Player 2: sanjusamson

Player 3: Ishankishan

Player 4: Rohitsarma

Player 5: Suryakumar

Submit Query

---

indian cricket players

| Player 1 | Dhoni |
|----------|-------|
| Player 2 | sanjusamson |
| Player 3 | Ishankishan |
| Player 4 | Rohitsarma |
| Player 5 | Suryakumar |

**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"];

  }
```

```php
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="yellow">

<table border=2px solid black>

<form method="post" action="#">

<h1 ><font color="green">REGISTRATION FORM</font></h1><br>

<tr>

<td>Name :<input type="text" name="fname"></td>

<td><span class="error"><?php echo $name;?></span></td>

</tr>

<tr>

<td>Email :<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
```

```
&nbsp<input type="radio" name="gender" value="female">Female</td>
<td><span class="error"><?php echo $gender;?></span></td>

</tr>

<tr>

<td>Phone : <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

   if(isset($_POST['submit'])) {

   if($name == "" && $email== "" && $phone == "" && $gender== "" && $address == "")

   {

      echo "<h3 color = red> <b>You have sucessfully registered.</b> </h3>";

      echo "<h2>Your Input:</h2>";

      echo "Name: " .$name1;

      echo "<br>";

      echo "Email: " .$email1;

      echo "<br>";
```

```php
    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>";

}

}
?>
<?php
echo "<h2>Your Input:</h2>";
echo $name1;
echo "<br>";
echo $email1;
echo "<br>";
echo $phone1;
echo "<br>";
echo $address1;
echo "<br>";
echo $gender1;
?>

</body>

</html>
```

**Output**

**REGISTRATION FORM**

| | |
|---|---|
| Name : | |
| Email : | |
| Gender : ○ Male  ○ Female | |
| Phone : | |
| Address : | |
| submit  reset | |

**Your Input:**

**REGISTRATION FORM**

| | |
|---|---|
| Name : | |
| Email : | |
| Gender : ○ Male  ○ Female | |
| Phone : | phone is required |
| Address : | Address is required |
| submit  reset | |

**You didn't filled up the form correctly.**

**Your Input:**

jeeva
jeeva22@gmail.com

male

# REGISTRATION FORM

| | |
|---|---|
| Name : [＿＿＿＿＿＿＿] | |
| Email : [＿＿＿＿＿＿＿] | |
| Gender : ○ Male ○ Female | |
| Phone : [＿＿＿＿＿＿＿] | |
| Address : [＿＿＿＿＿＿＿] | |
| submit reset | |

**You have sucessfully registered.**

## Your Input:

Name: jeeva
Email: jeeva22@gmail.com
Phone No: +9195678925
Address: jeevalayam(H),thottakattukara,Angamaly
Gender: male

## 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

### Empl.html

```
<html>
<head><title>employee details</title></head>
<body bgcolor="pistagreen">
<center>
<h1> Add Employee</h1>
<form name="myform" action="empl.php" method="POST">
<table border="2" align="center" cellspacing="15" cellpadding="30">
<tr>
<th>Employee ID:</th>
<td><input type="number" name="id"></td>
</tr>
<tr>
<th>Employee name:</th>
<td><input type="text" name="name"></td>
</tr>
<tr>
<th>Age:</th>
<td><input type="number" name="age"></td>
</tr>
<tr>
<th>Department:</th>
<td><input type="text" name="dep"></td>
</tr>
</table>
<input type="submit" value="submit" name="submit">
```

</form>

</center>

</body>

</html>

**empl.php**

```php
<?php
$con= new mysqli("localhost","fisat","fisat","fisatdb");
if($con===false)
{
die("ERROR: Could not connect. " . mysqli_connect_error());
}
else
{ $id=$_POST['id'];
$name=$_POST['name'];
$age=$_POST['age'];
$dep=$_POST['dep'];
$sql = "INSERT INTO empl VALUES ($id,'$name',$age,'$dep')";
if ($con->query($sql) === true)
{
echo "inserted";
}
else
{
echo "ERROR: Could not execute query: $sql. " . $con->error;
}}
$con->close();
?>
```

FEDERAL INSTITUTE OF SCIENCE & TECHNOLOGY (FISAT)

# **Output**



---

**Employee Registration**

REGISTER

VIEW

## **Add Employee**

| | |
|---|---|
| ID: | |
| Name: | |
| Age: | |
| Dept: | |

submit

HOME

Connected successfullyNew row added

| Employee ID | Employee Name | Employee Department | Employee Age |
|---|---|---|---|
| 1 | archana | 20 | cs |
| 2 | arjun | 22 | cs |

HOME

## 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

**book.html**

```
<html>
<title>Add Book</title>
<body>
<form name="form1" action="bookaction.php" method="POST">
<center><b><u>Enter book details</u></b><br><br><br>
Access Number:<input type="text" name="num"><br><br>
Title:<input type="text" name="tit"><br><br>
Author:<input type="text" name="aut"><br><br>
Edition:<input type="text" name="edi"><br><br>
Publisher:<input type="text" name="pub"><br><br>
<input type="submit" name="Submit">
<input type="reset" name="Reset">
</body>
</form>
</center>
</html>
```

**bookaction.php**

```
<?php
$num=$_POST['num'];
$tit=$_POST['tit'];
$aut=$_POST['aut'];
$edi=$_POST['edi'];
```

```php
$pub=$_POST['pub'];

$con=new mysqli("localhost","fisat","fisat","fisatdb");

if($con==false)

{

echo "Failed to connect";

}

else

{

echo "connected";

}

$sql="INSERT INTO book VALUES('$num','$tit','$aut','$edi','$pub')";

if($con->query($sql))

{

echo "<BR>";

echo 'New row added';

}

else

{

echo "ERROR:could not execute query";

}

$con->close();

?>
```

**search.html**

```html
<html>

<title>Search</title>

<body>

<form name="form2" action="search.php" method="POST">

<center><b><u>Search a book</u></b><br><br><br>

Enter book title:<input type="text" name="tit"><br><br><br>

<input type="submit" name="Submit">
```

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

**search.php**

```php
<?php
$tit=$_REQUEST['tit'];
$con=new mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
{
echo "Failed to connect";
}

$sql="SELECT * FROM book where title='$tit'";
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>
```

```php
</tr>";
}
$result->close();
}
}
else
{
echo "\nCould not found ";

}
?>
```

## **Output**

---

# **BOOK INFORMATION SYSTEM**

Add Book

Search Book

**Enter book details**

Access Number: `101`

Title: `Beloved`

Author: `James j`

Edition: `1998`

Publisher: `DC books`

[ Submit ] [ Reset ]

---

connected
New row added

```
MariaDB [fisatdb]> create table book(acc_no int,title varchar(20),author varchar
(20),edition int,publisher varchar(20));
Query OK, 0 rows affected (0.158 sec)

MariaDB [fisatdb]> select * from book;
+--------+---------------------+--------------------+---------+-----------+
| acc_no | title               | author             | edition | publisher |
+--------+---------------------+--------------------+---------+-----------+
|    101 | Beloved             | James j            |    1998 | DC books  |
|    102 | Invisible Man       | John villiam       |    1995 | Hm books  |
|    103 | A Passage to India  | Aleena Varghese    |    2000 | Nc books  |
|    104 | Little Women        | Louisa May Alcott  |    1984 | DC books  |
|    105 | Animal Farm         | George D           |    1988 | DC books  |
+--------+---------------------+--------------------+---------+-----------+
5 rows in set (0.001 sec)

MariaDB [fisatdb]>
```

**Search a book**

Enter book title: Animal Farm

Submit

| Accession Number | Title | Author | Edition | Publisher |
|---|---|---|---|---|
| 105 | Animal Farm | George D | 1988 | DC books |

## 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

### airlineinfo.html

```html
<html>
<head>
<title>airline</title>
</head>
<body align="center"><u>AIRLINE INFORMATION SYSTEM</u><br>
<a href="add_airlineinfo.html">Add AIRLINE DETAILS</a><br>
<a href="search1.html">Search AIRLINE DETAILS</a><br>
</body>
</html>
```

### add_airlineinfo.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>
AIRLINE ID:<input type="number" name="id"><br>
AIRLINE NAME:<input type="text" name="name"><br>
DEPARTURE FROM:<input type="text" name="depfrom"><br>
DEPARTURE TIME:<input type="number" name="deptime"><br>
AIRIVAL TIME:<input type="number" name="aritime"><br>
AIRIVAL PLACE:<input type="text" name="ariplace"><br>
<input type="submit" name="Submit">
<input type="reset" name="Reset">
</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","fisat","fisatdb");
```

```php
if($con==false)
{
echo "Failed to connect";
}
else
{
echo "connected";
}

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

**search1.html**

```html
<html>
<head>
<title>search</title>
</head>
<body>
<form name="frm2" action="searchl1.php"method="POST">
<center>
<b><u>SEARCH AIRLINE</u></b><br>
DEPARTURE FROM:<input type="text" name="txt"><br>
ARIVAL PLACE:<input type="text" name="txt1"><br>
<input type="submit" name="Submit">
</center>
</form>
</body>
</html>
```

**searchl1.php**

```php
<?php
$depfrom=$_POST['txt'];
$ariplace=$_POST['txt1'];
$con=new mysqli("localhost","fisat","fisat","fisatdb");
```

```php
if($con==false)
{
echo "Failed to connect";
}
else
{
echo "connected\n";
}
$sql="select * from airline where depfrom='$depfrom' and airplace='$ariplace' ";
if($result=$con->query($sql))
{
if($result->num_rows>0)
{
while($row=$result->fetch_array())
{
echo "\n".$row[0].":".$row[1].":".$row[2].":".$row[3].":".$row[4]."\n";
}
$result->close();
}
else
{
echo "\nCould not found the airline";
}
}
else
{
echo "\nError:could not connect";
}
$con->close();
?>
```

## Output

AIRLINE INFORMATION SYSTEM

Add AIRLINE DETAILS

Search AIRLINE DETAILS

# Enter Airline Details

| | |
|---|---|
| AIRLINE ID: | 1 |
| AIRLINE NAME: | Airindia |
| DEPARTURE FROM: | New Delhi |
| DEPARTURE TIME: | 2 |
| AIRRIVAL TIME: | 4 |
| AIRRIVAL PLACE: | Bangalore |
| submit | reset |

connected
New row added

```
MariaDB [fisatdb]> select * from airline;
+----+----------+----------+----------+----------+----------+
| id | name     | dept_from | dept_time | air_time | air_place |
+----+----------+----------+----------+----------+----------+
|  1 | Airindia | New Delhi |        2 |        4 | Bangalore |
|  2 | IndiGo   | Goa      |        4 |        5 | Mumbai   |
|  3 | AirIndia | Pune     |        7 |        9 | New Delhi |
+----+----------+----------+----------+----------+----------+
3 rows in set (0.000 sec)

MariaDB [fisatdb]>
```

**SEARCH AIRLINE**

DEPARTURE FROM:  New Delhi

ARIVAL PLACE:  Bangalore

Submit

# Airline Details

| No. | Airline Name | Departure From | Departure Time | Arrival From | Arrival Time |
|-----|--------------|----------------|----------------|--------------|--------------|
| 1 | Airindia | New Delhi | 2 | Bangalore | 4 |