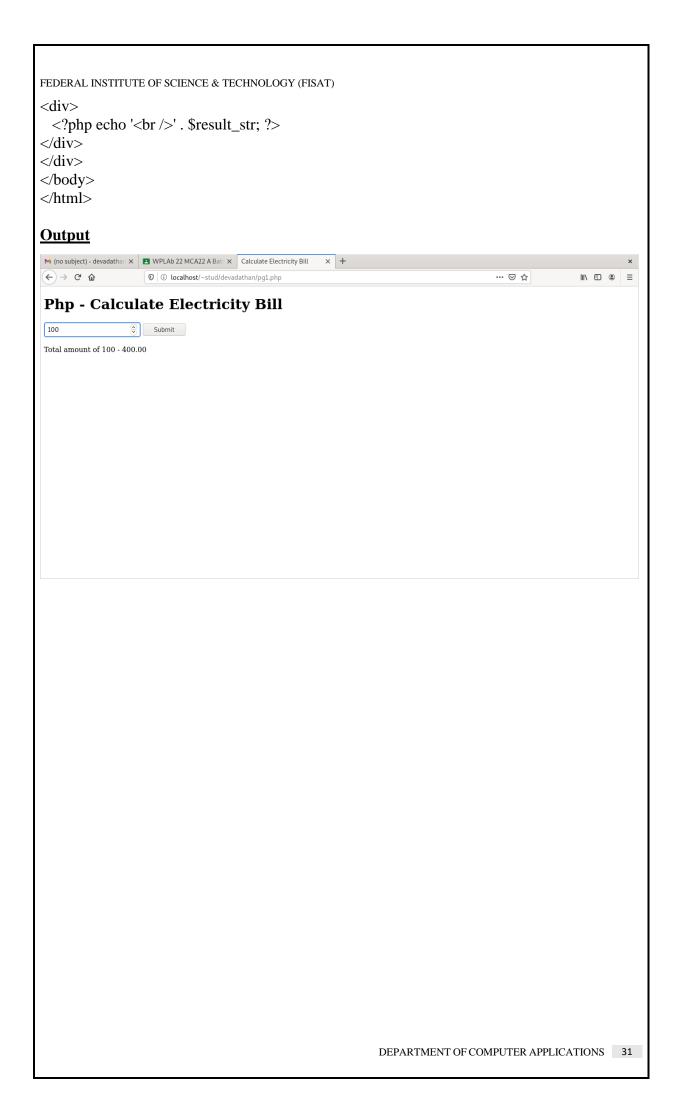
<u>AIM</u>

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 {
     \text{stemp} = (100 * 4) + (100 * \text{sunit\_cost\_second}) + (100 * \text{sunit\_cost\_third});
     $remaining units = $units - 200;
     $bill = $temp + $remaining_units;
  return number_format((float)$bill, 2, '.', ");
?>
<body>
<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>
```



<u>AIM</u>

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.

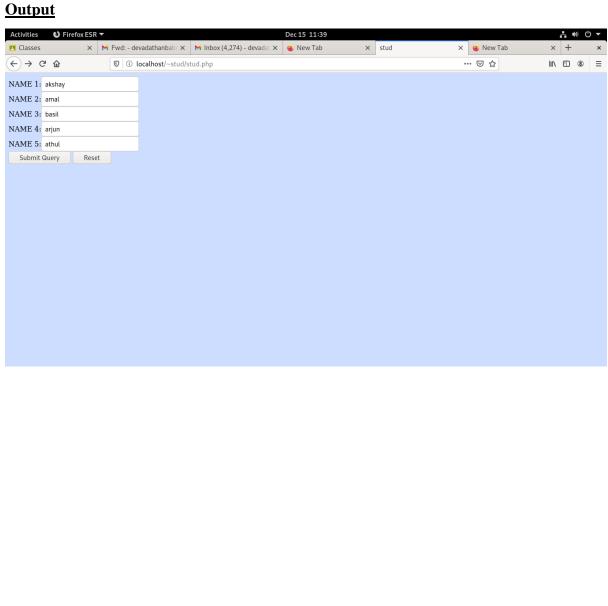
Program Code

STUD.PHP

```
<html>
<head>
<title>stud</title>
</head>
<body><br/>body bgcolor="#ccddff"></br>
<form action="stud1.php" method="post">
NAME 1:<input type=text name=fname placeholder="enter student name"><br>
NAME 2:<input type=text name=fname1 placeholder="enter student name"><br>
NAME 3:<input type=text name=fname2 placeholder="enter student name"><br/>br>
NAME 4:<input type=text name=fname3 placeholder="enter student name"><br>
NAME 5:<input type=text name=fname4 placeholder="enter student name"><br>
<input type="submit" name="submit">
<input type="reset" name="reset">
</form>
</body>
</html>
STUD1.PHP
```

```
<html>
 <head>
   <title>Student Name</title>
   <style>
    body{
    padding-top:70px;
   </style>
 </head>
 <body align="center"bgcolor="#ccddff">
   <?php
    if (isset($_POST['submit']))
       nec{0} = POST['fname'];
       neg [1] = POST['fname1'];
       $name [2]= $ POST['fname2'];
       neg [3] = POST[fname3];
       $name [4]= $_POST['fname4'];
       echo "Names:";
       print r($name);
```

```
FEDERAL INSTITUTE OF SCIENCE & TECHNOLOGY (FISAT)
       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>
```



DEPARTMENT OF COMPUTER APPLICATIONS 33

FEDERAL INSTITUTE OF SCIENCE & TECHNOLOGY (FISAT) Activities **⊌** Firefox ESR ▼ . ₩ O ▼ X Student Name X ⊌ New Tab ← → C û © 0 localhost/~stud/stud1.php ... ⊍ ☆ II\ □ ② ≡ $\label{eq:name:array} $$ Names : Array ([0] => akshay [1] => amal [2] => basil [3] => arjun [4] => athul) $$ Names in ascending order : Array ([0] => akshay [1] => amal [3] => arjun [4] => athul [2] => basil) $$ Names in descending order : Array ([2] => basil [4] => athul [3] => arjun [1] => amal [0] => akshay) $$ Array ([2] => basil [4] => athul [3] => arjun [4] => athul [3] => athul [3] => arjun [4] => athul [3] => athu$ DEPARTMENT OF COMPUTER APPLICATIONS 34

AIM

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

Program Code

CRICKET.PHP

```
<html>
<head>
<title>stud</title>
<style>
h1{
text-shadow:0 0 2px red;
</head>
</style>
<body align="center" bgcolor="#ccddff">
<h1 align="center" >CRICKET PLAYERS</h1>
<form action="p1.php" method="post">
NAME 1:
<input type=text name=p placeholder="enter cricket players name">
<tH>NAME 2:
<input type=text name=p1 placeholder="enter cricket players name">
NAME 3:
<input type=text name=p2 placeholder="enter cricket players name">
NAME 4:
<input type=text name=p3 placeholder="enter cricket players name">
NAME 5:
<input type=text name=p4 placeholder="enter cricket players name">
<input type="submit" name="submit">&nbsp&nbsp&nbsp
<input type="reset" name="reset">
</form>
</body>
</html>
```

P1.PHP

```
<?php
     $names[0]=$_POST['p'];
     $names[1]=$_POST['p1'];
     $names[2]=$_POST['p2'];
     $names[3]=$_POST['p3'];
     $names[4]=$_POST['p4'];
     $length=count($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 "";
?>
```

DEPARTMENT OF COMPUTER APPLICATIONS 36

Output

CRICKET PLAYERS

NAME 1:	virat kohli	
NAME 2:	sachin	
NAME 3:	dhoni	
NAME 4:	yuvaraj	
NAME 5:	sehwag	
Submit Query Reset		

Indian Cricket Players.

Sl.No.	Name
1	virat kohli
2	sachin
3	dhoni
4	yuvaraj
5	sehwag

AIM

Outline a registration form using PHP and do necessary validations.

Program Code

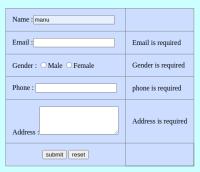
```
<?php
$name = $email= $gender = $address= $phone= $gender= "";
$name1= $email1= $gender1= $address1= $phone1= $gender1= "";
if (isset($_POST["submit"]))
if (empty($_POST["fname"]))
  $name = "Name is required";
 else
  $name1 = $_POST["fname"];
 if (empty($_POST["email"]))
  $email= "Email is required";
 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"];
```

```
FEDERAL INSTITUTE OF SCIENCE & TECHNOLOGY (FISAT)
?>
<html>
<head>
<style>
h1{
text-shadow:0 0 3px red;
table
border-collapse:collapse;}
td{
    padding:15px;
</style>
</head>
<center>
<body bgcolor="#ccffff">
<form method="post" action="#">
<h1>REGISTRATION FORM</h1><br>
Name :<input type="text" name="fname">
<span class="error"><?php echo $name;?></span>
Email :<input type="text" name="email">
<span class="error"><?php echo $email;?></span>
Gender : <input type="radio" name="gender" value="male">Male
<input type="radio" name="gender" value="female">Female
<span class="error"><?php echo $gender;?></span>
Phone : <input type="text" name="phone">
<span class="error"><?php echo $phone;?></span> 
Address :<textarea rows="4" cols="20" name=address></textarea>
<span class="error"><?php echo $address;?></span>
<center><input type="submit" name="submit" value="submit">
<input type="reset" name="reset" value="reset"></center><//a>
</form>
<?php
 if(isset($_POST['submit'])) {
 if($name == "" && $email== "" && $phone == "" && $gender== "" && $address == "")
 {
```

```
FEDERAL INSTITUTE OF SCIENCE & TECHNOLOGY (FISAT)
    echo "<h3 color = #ccffdd> <b>You have sucessfully registered.</b> </h3>";
    echo "<h2>Your Input:</h2>";
    echo "Name: " .$name1;
    echo "<br/>tr>";
    echo "Email: " .$email1;
    echo "<br>";
    echo "Phone No: " .$phone1;
    echo "<br/>tr>";
    echo "Address: " .$address1;
    echo "<br/>tr>";
    echo "Gender: " .$gender1;
  } else {
    echo "<h3> <b>You didn't filled up the form correctly.</b> </h3>";
?>
</body>
</html>
```

Output

REGISTRATION FORM



You didn't filled up the form correctly.

PEDED AT	INTOTATE ITE	OF SCIENCE.	0 TECHNIOI	OCIVICETO A TO
FEDERAL.	. INSTITUTE	OF SCIENCE.	& IFCHNOL	COCTY (FINAL

REGISTRATION FORM



You have sucessfully registered.

Your Input:

Name: manu Email: abc@gmail.com Phone No: 3304776336 Address: 66-street,NYC Gender: male

<u>AIM</u>

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

Cont.php

```
<html>
<head>
<style>
h1{
text-shadow:0 0 3px red;
table
border-collapse:collapse;}
td{
   padding:15px;
</style>
</head>
<center>
<body bgcolor="#ccffff">
<form method="post" action="#">
<h1>REGISTRATION FORM</h1><br>
EMPLOYEE ID:<input type="number" name="id">
EMPLOYEE NAME:<input type="text" name="fname">
AGE:<input type="number" name="age" </td>
DEPARTMENT :<input type="text" name="dept">
<center><input type="submit" name="submit" value="submit">
</form>
<form name=home method="POST" action="html.php">
<button>HOME</button>
</form>
</body>
</html>
<?php error_reporting(0); ?>
<?php
```

```
FEDERAL INSTITUTE OF SCIENCE & TECHNOLOGY (FISAT)
n1 = POST["id"];
n2 = POST["fname"];
n3 = \text{POST["age"]};
n4 = POST["dept"];
if (isset($_POST["submit"]))
$servername = "localhost";
$username = "fisat";
$password = "fisat";
// Create connection
$conn = new mysqli($servername, $username, $password, "fisatdb");
// Check connection
if ($conn->connect_error) {
die("Connection failed: " . $conn->connect_error);
echo "Connected successfully";
$sql = "INSERT INTO employee(emp_id,emp_name,age,dept)
VALUES($n1,'$n2',$n3,'$n4')";
if ($conn->query($sql) === true) {
echo 'New row added.';
} else {
echo "ERROR: Could not execute query:";
$conn->close();
?>
ret.php
<?php
$con = new mysqli("localhost", "fisat", "fisat", "fisatdb");
if (scon=== false) 
die("ERROR: Could not connect. " . mysqli_connect_error());
$sql = "SELECT * FROM employee";
if ($result = $con->query($sql))
{ if (sresult->num\_rows > 0) {
?>
<html>
<body align="center">
Employee IDEmployee NameEmployee
DepartmentEmployee Age
```

```
FEDERAL INSTITUTE OF SCIENCE & TECHNOLOGY (FISAT)
<?php while($row = $result->fetch_array()) { ?>
<?php echo $row[0]; ?> <?php echo $row[1];?><?php echo
$row[2];?><?php echo $row[3];?>
<?php
} ?>
<form name=home method="POST" action="html.php">
<button>HOME</button>
</form>
</body>
</html>
<?php
$result->close();
} else {
echo "No records matching your query were found.";
} else {
echo "ERROR: Could not execute $sql. " . $con->error;
} $con->close();
?>
html.php
<html>
<head>
<title>homepage</title>
</head>
<body align="center">
<h2>Employee Registration</h2>
<form name=registation method="POST" action="cont.php">
<button>REGISTER</button>
</form>
<form name=reg method="POST" action="ret.php">
<button>VIEW</button>
</form>
</body>
</html>
```

Output

Employee Registration

REGISTER

VIEW

REGISTRATION FORM



Connected successfullyNew row added.

Employee ID	Employee Name	Employee Department	Employee Age
123	akshay	23	HR
145	sreerag	23	design
166	ayyappadas	21	technical
166	ayyappadas	21	technical
567	devika	22	design
		HOME	

```
MariaDB [fisatdb]> select * from employee;
 emp_id | emp_name | age
                            dept
    123
         akshay
                     23
                            HR
         sreerag
                            design
                       23 |
    145
         ayyappadas | 21 |
                           technical
    166
```

<u>AIM</u>

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

html.php

<center>

<body bgcolor="#ccffff">

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

<h1>ENTER BOOK DETAILS</h1>


```
<html>
<head>
<title>homepage</title>
</head>
<body align="center">
<h2>BOOK DETAILS</h2>
<form name=registation method="POST" action="cont.php">
<button>Add Book Details</button>
</form>
<form name=reg method="POST" action="ret.php">
<button>VIEW</button>
</form>
<form name=search method="POST" action="search.php">
<button>SEARCH</button>
</form
</body>
</html>
Cont.php
<html>
<head>
<style>
h1{
text-shadow:0 0 3px red;
table
border-collapse:collapse;}
td{
    padding:15px;
</style>
</head>
```

```
FEDERAL INSTITUTE OF SCIENCE & TECHNOLOGY (FISAT)
Accession_number:mumber" name="acno">
Title:<input type="text" name="title" </td>
Author :<input type="text" name="au">
Edition :<input type="number" name="edi">
Publisher :="text" name="pub">
<center><input type="submit" name="submit" value="submit">
<input type="reset" name="reset" value="reset"></center><//r>
</form>
<form name=home method="POST" action="html.php">
<button>HOME</button>
</form>
</body>
</html>
<?php error_reporting(0); ?>
<?php
n1 = POST["acno"];
n2 = POST["title"];
n3 = POST["au"];
n4 = POST["edi"];
n5 = POST["pub"];
if (isset($_POST["submit"]))
$servername = "localhost";
$username = "fisat";
$password = "fisat";
// Create connection
$conn = new mysqli($servername, $username, $password,"fisatdb");
// Check connection
if ($conn->connect_error) {
die("Connection failed: " . $conn->connect_error);
echo "Connected successfully";
$sql = "INSERT INTO book(accs_no,title,author,edition,publisher)
VALUES($n1,'$n2','$n3',$n4,'$n5')";
if ($conn->query($sql))
echo 'New row added.';
} else
```

```
FEDERAL INSTITUTE OF SCIENCE & TECHNOLOGY (FISAT)
echo "ERROR: Could not execute query:";
$conn->close();
?>
ret.php
<?php
$con = new mysqli("localhost", "fisat", "fisat", "fisatdb");
if (scon=== false) 
die("ERROR: Could not connect. " . mysqli_connect_error());
$sql = "SELECT * FROM book ";
if ($result = $con->query($sql))
{ if (\$result->num_rows > 0) {
?>
<html>
<body align="center">
Accession numberTitleAuthorEditionPublisher
<?php while($row = $result->fetch_array()) { ?>
<?php echo $row[0]; ?> <?php echo $row[1];?><?php echo
$row[2];?><?php echo $row[3];?><?php echo $row[4];?>
<?php
} ?>
<form name=home method="POST" action="html.php">
<button>HOME</button>
</form>
</body>
</html>
<?php
$result->close();
} else {
echo "No records matching your query were found.";
} else {
echo "ERROR: Could not execute $sql. " . $con->error;
} $con->close();
?>
```

```
FEDERAL INSTITUTE OF SCIENCE & TECHNOLOGY (FISAT)
search.php
<html>
<head>
<title>search</title>
</head>
<body>
<form name="frm2" action="search1.php" method="POST">
<center>
<b><u>SEARCH BOOK</u></b><br>
TITLE<input type="text" name="title"><br>
<input type="submit" name="Submit">
</center>
</form>
</body>
</html>
search1.php
<?php
$n2=$_REQUEST['title'];
$con=new mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
echo "Failed to connect";
<html><h1 align="center">BOOK DETAILS</h1>
<?php
$sql="SELECT * FROM book where title='$n2'";
if($result=$con->query($sql))
if($result->num_rows>0)
echo"";
echo "  Accession Number Title Author
Edition Publisher";
while($row=$result->fetch_array())
echo"
$row[0]
$row[1]
$row[2]
$row[3]
 $row[4] 
";
```

```
FEDERAL INSTITUTE OF SCIENCE & TECHNOLOGY (FISAT)
$result->close();
else
echo "\nCould not found ";
?>
```

Output

BOOK DETAILS

Add Book Details VIEW

SEARCH

ENTER BOOK DETAILS



Accession_number	Title	Author	Edition	Publisher
1022	Dance of the dragon	Goerge R R Martin	2	DC Books
1445	Harry Potter	J K Rowling	1	Bloomsbury Publishing
4778	Lord of the rings	J R R Tolkien	3	Allen & Unwin

HOME

SEARCH BOOK

TITLE Harry Potter

Submit

BOOK DETAILS

Accession Number	Title	Author	Edition	Publisher
1445	Harry Potter	J K Rowling	1	Bloomsbury Publishing

1022 | Dance of the dragon | Goerge R R Martin | 1445 | Harry Potter | J K Rowling | 4778 | Lord of the rings | J R R Tolkien | 2 | DC Books 1 | Bloomsbury Publishing 3 | Allen & Unwin 3 rows in set (0.000 sec)

DEPARTMENT OF COMPUTER APPLICATIONS 52

<u>AIM</u>

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

Program Code

Home.php

```
<html>
<head>
<title>homepage</title>
</head>
<body align="center">
<h2>AIRLINE INFORMATION SYSTEM</h2>
<form name=registation method="POST" action="air.php">
<button>ADD AIRLINE DETAILS
</form>
<form name=reg method="POST" action="ret.php">
<button>VIEW</button>
</form>
<form name=search method="POST" action="search.php">
<button>SEARCH AIRLINE DETAILS</button>
</form
</body>
</html>
air.php
<html>
<head>
<style>
h1{
text-shadow:0 0 3px red;
table
border-collapse:collapse;}
td{
    padding:15px;
</style>
</head>
<center>
<body bgcolor="#ccffff">
<form method="post" action="#">
<h1>ENTER AIRLINE DETAILS</h1><br>
AIRLINE_ID:mput type="number" name="id">
```

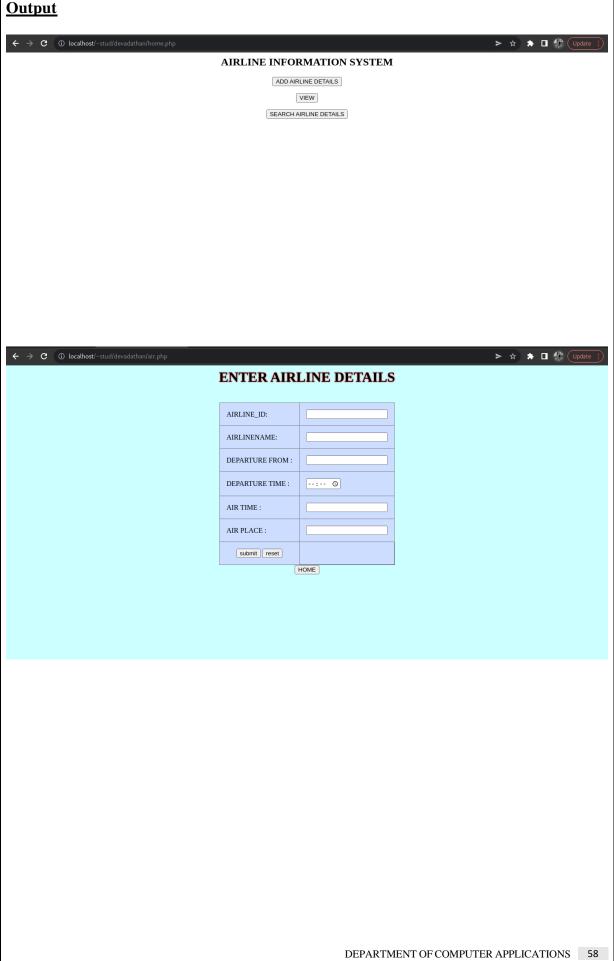
```
FEDERAL INSTITUTE OF SCIENCE & TECHNOLOGY (FISAT)
AIRLINENAME:<input type="text" name="name" </td>
DEPARTURE FROM :<input type="text" name="df">
DEPARTURE TIME :<input type="time" name="dt">
AIR TIME :<input type="number" name="at">
AIR PLACE :<input type="text" name="ap">
<center><input type="submit" name="submit" value="submit">
<input type="reset" name="reset" value="reset"></center>
</form>
<form name=home method="POST" action="home.php">
<button>HOME</button>
</form>
</body>
</html>
<?php error_reporting(0); ?>
<?php
n1 = POST["id"];
n2 = POST["name"];
n3 = POST["df"];
n4 = POST["dt"];
n5 = POST["at"];
n6 = POST["ap"];
if (isset($_POST["submit"]))
$servername = "localhost";
$username = "fisat";
$password = "fisat";
// Create connection
$conn = new mysqli($servername, $username, $password,"fisatdb");
// Check connection
if ($conn->connect error) {
die("Connection failed: " . $conn->connect_error);
echo "Connected successfully";
$sql = "INSERT INTO airline( airline_id,airline_name,depfrom,deptime,airtime,airplace)
VALUES($n1,'$n2','$n3','$n4',$n5,'$n6')";
if ($conn->query($sql))
echo 'New row added.';
```

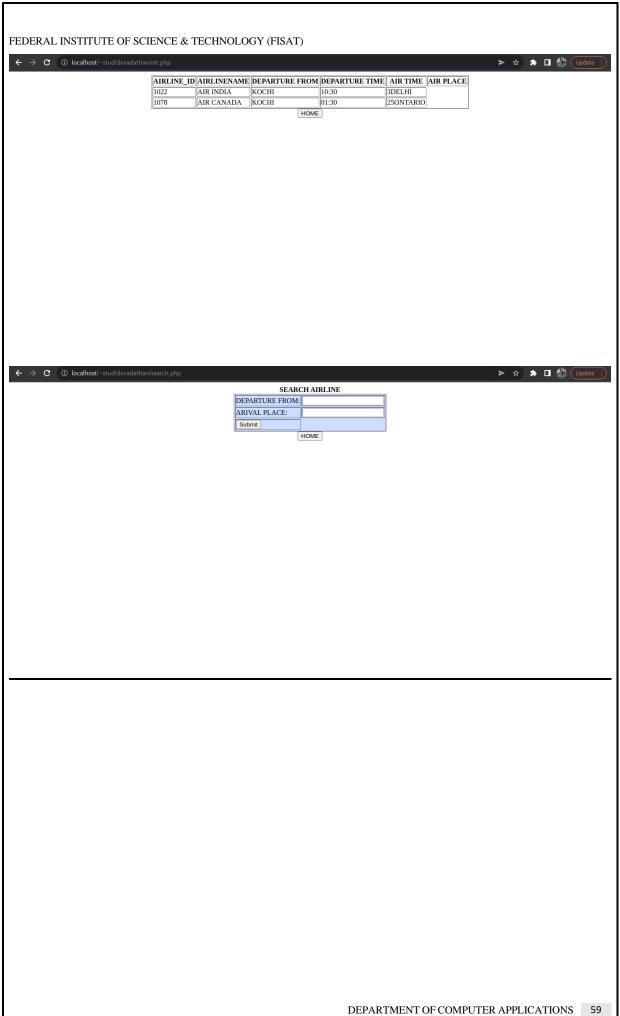
```
FEDERAL INSTITUTE OF SCIENCE & TECHNOLOGY (FISAT)
} else
echo "ERROR: Could not execute query:";
$conn->close();
?>
ret.php
<?php
$con = new mysqli("localhost", "fisat", "fisat", "fisatdb");
if (scon=== false) 
die("ERROR: Could not connect. " . mysqli_connect_error());
$sql = "SELECT * FROM airline";
if ($result = $con->query($sql))
{ if (\$result->num rows > 0) {
?>
<html>
<body align="center">
AIRLINE IDAIRLINENAMEDEPARTURE FROM
DEPARTURE TIME AIR TIME  AIR PLACE 
<?php while($row = $result->fetch_array()) { ?>
<?php echo $row[0]; ?> <?php echo $row[1];?><?php echo
$row[2];?><?php echo $row[3];?><?php echo $row[4];?><?php echo
$row[5]; ?>
<?php
} ?>
<form name=home method="POST" action="home.php">
<button>HOME</button>
</form>
</body>
</html>
<?php
$result->close();
} else {
echo "No records matching your query were found.";
} else {
echo "ERROR: Could not execute $sql. " . $con->error;
} $con->close();
?>
```

search.php

```
<html>
<head>
<title>search</title>
</head>
<body align="center">
<b>SEARCH AIRLINE</b>
<form name="frm2" action="search1.php"method="POST">
<center>
DEPARTURE FROM:<input type="text" name="txt">
ARIVAL PLACE:<input type="text" name="txt1">
<input type="submit" name="Submit">
</center>
</form>
<form name=home method="POST" action="home.php">
<button>HOME</button>
</form>
</body>
</html>
search1.php
<?php
n3 = POST['txt'];
n6 = POST['txt1'];
$con=new mysqli("localhost","fisat","fisat","fisatdb");
if($con==false)
echo "Failed to connect";
?>
<html><h1 align="center">AIRLINE DETAILS</h1>
<?php
$sql="SELECT * FROM airline where depfrom='$n3' and airplace='$n6'";
if($result=$con->query($sql))
```

```
FEDERAL INSTITUTE OF SCIENCE & TECHNOLOGY (FISAT)
if($result->num_rows>0)
echo"";
echo "  AIRLINE_ID AIRLINENAME DEPARTURE
FROM DEPARTURE TIME AIR TIME  AIR PLACE
";
while($row=$result->fetch_array())
echo"
 $row[0] 
$row[1]
$row[2]
$row[3]
$row[4]
$row[5]
";
?>
<html><body>
<form name=home method="POST" action="home.php">
<button>HOME</button>
</form>
</body>
</html>
<?php
$result->close();
}
else
echo "\nCould not found ";
?>
```





AIRLINE DETAILS

AIRLINE_ID	AIRLINENAME	DEPARTURE FROM	DEPARTURE TIME	AIR TIME	AIR PLACE
1022	AIR INDIA	KOCHI	10:30	3	DELHI

HOME

MariaDB [fisatdb]> SELECT * FROM airline;

airline_id	-+ 	depfrom	deptime	airtime	airplace
1022	AIR INDIA	KOCHI	10:30	3	DELHI
1078	AIR CANADA		01:30	25	ONTARIO

2 rows in set (0.001 sec)