

Master of Computer Applications

LAB RECORD

Course Name: 20MCA133 WEB PROGRAMMING LAB

NAME.....

REG. NO..... SEMESTER.....

MONTH & YEAR.....

Lab Cycle 3

CO3: Do Client-side & Server-side scripting

Program # 13

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:

```
<!DOCTYPE html>
<html>
<head>
  <title>ArraySort</title>
  <style>
    body{
      max-width: 650px;
      margin: auto;
      border-style: outset;
    }
  </style>
</head>
<body><br>
  <center><h2>Arrays Sort</h2></center><br>
<?php
$students = array("Syam", "Shefeek", "Sooraj", "Hadhinan");
echo "<h3>Indexed array: </h3>";
print_r($students);
sort($students);
echo "<br><h4>Sorted array (sort): </h4>";
print_r($students);
rsort($students);
echo "<br><h4>Sorted array (rsort): </h4>";
print_r($students);
$age = array("Syam"=>"23", "Shefeek"=>"25", "Sooraj"=>"20", "Hadhinan"=>"28");
echo "<h3><br>Associated array: </h3>";
print_r($age);
asort($age);
echo "<br><h4>Sorted array (asort): </h4>";
print_r($age);
arsort($age);
echo "<br><h4>Sorted array (arsort): </h4>";
print_r($age);
ksort($age);
echo "<br><h4>Sorted array (ksort): </h4>";
```

```
print_r($age);
krsort($age);
echo "<br><h4>Sorted array (krsort): </h4>";
print_r($age);
?>
<br><br><br>
</body>
</html>
```

OUTPUT:

Arrays Sort

Indexed array:

Array ([0] => Syam [1] => Shefeek [2] => Sooraj [3] => Hadhinan)

Sorted array (sort):

Array ([0] => Hadhinan [1] => Shefeek [2] => Sooraj [3] => Syam)

Sorted array (rsort):

Array ([0] => Syam [1] => Sooraj [2] => Shefeek [3] => Hadhinan)

Associated array:

Array ([Syam] => 23 [Shefeek] => 25 [Sooraj] => 20 [Hadhinan] => 28)

Sorted array (asort):

Array ([Sooraj] => 20 [Syam] => 23 [Shefeek] => 25 [Hadhinan] => 28)

Sorted array (arsort):

Array ([Hadhinan] => 28 [Shefeek] => 25 [Syam] => 23 [Sooraj] => 20)

Sorted array (ksort):

Array ([Hadhinan] => 28 [Shefeek] => 25 [Sooraj] => 20 [Syam] => 23)

Sorted array (krsort):

Array ([Syam] => 23 [Sooraj] => 20 [Shefeek] => 25 [Hadhinan] => 28)

Program # 14

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

PROGRAM CODE:

```
<?php
$indian_cricket_players = array("Virat Kohli", "MS Dhoni", "Rohit Sharma",
"Yuzvendra Chahal", "Bhuvneshwar Kumar", "Shikhar Dhawan", "KL Rahul",
"Hardik Pandya", "Mohammed Shami", "Jasprit Bumrah");
?>
<!DOCTYPE html>
<html>
<head>
  <title>Indian Cricket Players</title>
  <style>
    body{
      max-width: 750px;
      margin: auto;
      border-style: outset;
    }
    table {
      border-collapse: collapse; width: 100%;
margin-top: 20px;

    }
    th, td {
      border: 1px solid #ddd; padding: 8px;
text-align: center;

    }
    th {
background-color: #f2f2f2;
    }

  </style>
</head>
<body>
  <center><h2>List of Indian Cricket Players</h2></center>
  <table>
    <tr>
      <th>Name</th>
    </tr>
    <?php
      foreach($indian_cricket_players as $player) {
```

```
        echo "<tr><td>$player</td></tr>";
    }
    ?>
</table>
</body>
</html>
```

OUTPUT:

List of Indian Cricket Players	
Name	
Virat Kohli	
MS Dhoni	
Rohit Sharma	
Yuzvendra Chahal	
Bhuvneshwar Kumar	
Shikhar Dhawan	
KL Rahul	
Hardik Pandya	
Mohammed Shami	
Jasprit Bumrah	

Program # 15

Design a registration form in HTML, and do necessary validations using PHP

PROGRAM CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Registration Form</title>
<style>
#container{
width: 602px;
height: 600px;
margin: 8px auto;
border-radius:15px;
padding: 5px;
border: 5px solid black;
font-family: cursive;
}
input[type="text"],input[type="email"],input[type="password"]{

margin-right:5px;
width:98%;
height:40px;
padding:2px 0px 2px 4px;
border-radius:6px;
background:white;
border:2px solid rgba(0,0,0,1);
color:black;
}

input[type="submit"]{
width:17%;
height:30px;
margin-top:14px;
border-radius:6px;
font:14px bold;
color:white;
background:black;
text-transform:uppercase;
border:3px solid #000;
padding: 3px 10px;
```

```

    }
    input[type="submit"]:hover{
        opacity:2;
        cursor:pointer;
        background-color: green;
    }

</style>
</head>
<body>
<div id="container">
    <h2><center><b>Registration Form</b></center></h2>
    <form action="registration.php" method="post">
        <b> <label for="username">Username:</label>
        <input type="text" id="username" name="username" ><br><br>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email" required><br><br>

        <label for="pno">Phone Number:</label><br>
        <input type="text" id="pno" name="pno" pattern="[0-9]{10}" ><br><br>

        <label for="password">Password:</label>
        <input type="password" id="password" name="password" required><br><br>

        <label for="confirm_password">Confirm Password:</label>
        <input type="password" id="confirm_password" name="confirm_password"
        required><br><br></b>

        <center><input type="submit" value="SUBMIT"></center>
    </form></div>

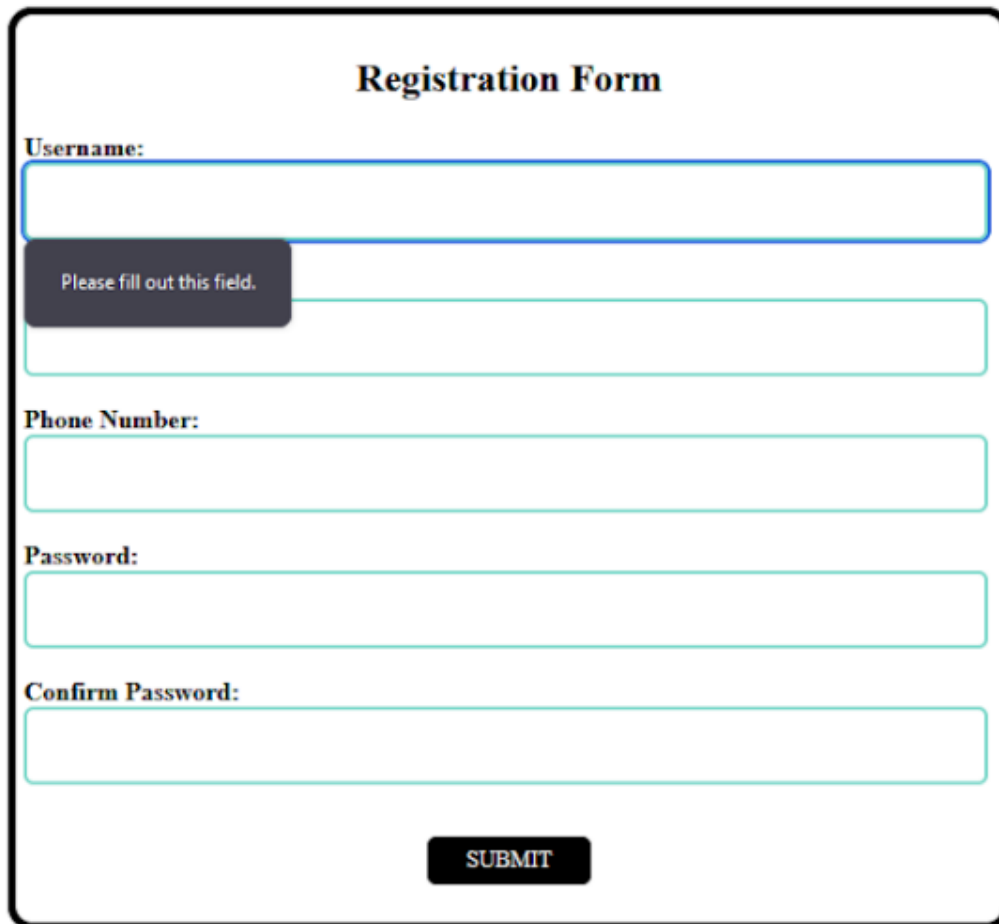
</body>
</html>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $username = clean_input($_POST["username"]);
    $email = clean_input($_POST["email"]);
    $pno= clean_input($_POST["pno"]);
    $password = clean_input($_POST["password"]);
    $confirm_password = clean_input($_POST["confirm_password"]);

    if (empty($username) || empty($email) || empty($password) || empty($pno) ||
    empty($confirm_password)) {
        echo '<script>alert("All fields are required.")</script>';
    }
    elseif ($password !== $confirm_password) {
        echo '<script>alert("Passwords do not match.password must be at least 8
        characters")</script>';
    }
}

```

```
    } else {  
        echo '<script>alert("Registration successful!")</script>';  
    }  
}  
  
function clean_input($data) {  
    $data = trim($data);  
    $data = stripslashes($data);  
    $data = htmlspecialchars($data);  
    return $data;  
}  
?>
```

OUTPUT:



The image shows a web form titled "Registration Form". It contains four input fields: "Username:", "Phone Number:", "Password:", and "Confirm Password:". The "Username:" field is highlighted with a blue border and has a dark grey tooltip that says "Please fill out this field." Below the "Confirm Password:" field is a black "SUBMIT" button.

Registration Form

Username:

Email:

Phone Number:

Password:

Confirm Password:

SUBMIT

localhost

Passwords do not match,password must be at least 8 characters

OK

Program # 16

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

PROGRAM CODE:

```
<!DOCTYPE html>

<head>

<title>Electricity Bill</title>

<style >

    .box {

    width: 200px;

    height: 100px;

    border: 3px solid black;

    padding: 10px;

    margin: 10px;

    font-family: cursive;

    }

</style>

</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 . ' unit is : ' . $result;

    }

}
```

```

function calculate_bill($units) {
    $unit_cost_first = 3.50;
    $unit_cost_second = 4.00;
    $unit_cost_third = 5.20;
    $unit_cost_fourth = 6.50;
    if($units <= 50) {
        $bill = $units * $unit_cost_first;
    }
    else if($units > 50 && $units <= 100) {
        $temp = 50 * $unit_cost_first;
        $remaining_units = $units - 50;
        $bill = $temp + ($remaining_units * $unit_cost_second);
    }
    else if($units > 100 && $units <= 200) {
        $temp = (50 * 3.5) + (100 * $unit_cost_second);
        $remaining_units = $units - 150;
        $bill = $temp + ($remaining_units * $unit_cost_third);
    }
    else {
        $temp = (50 * 3.5) + (100 * $unit_cost_second) + (100 * $unit_cost_third);
        $remaining_units = $units - 250;
        $bill = $temp + ($remaining_units * $unit_cost_fourth);
    }
    return number_format((float)$bill, 2, '.', '');
}

?>

<body>

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

<div class="box">

<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>
```

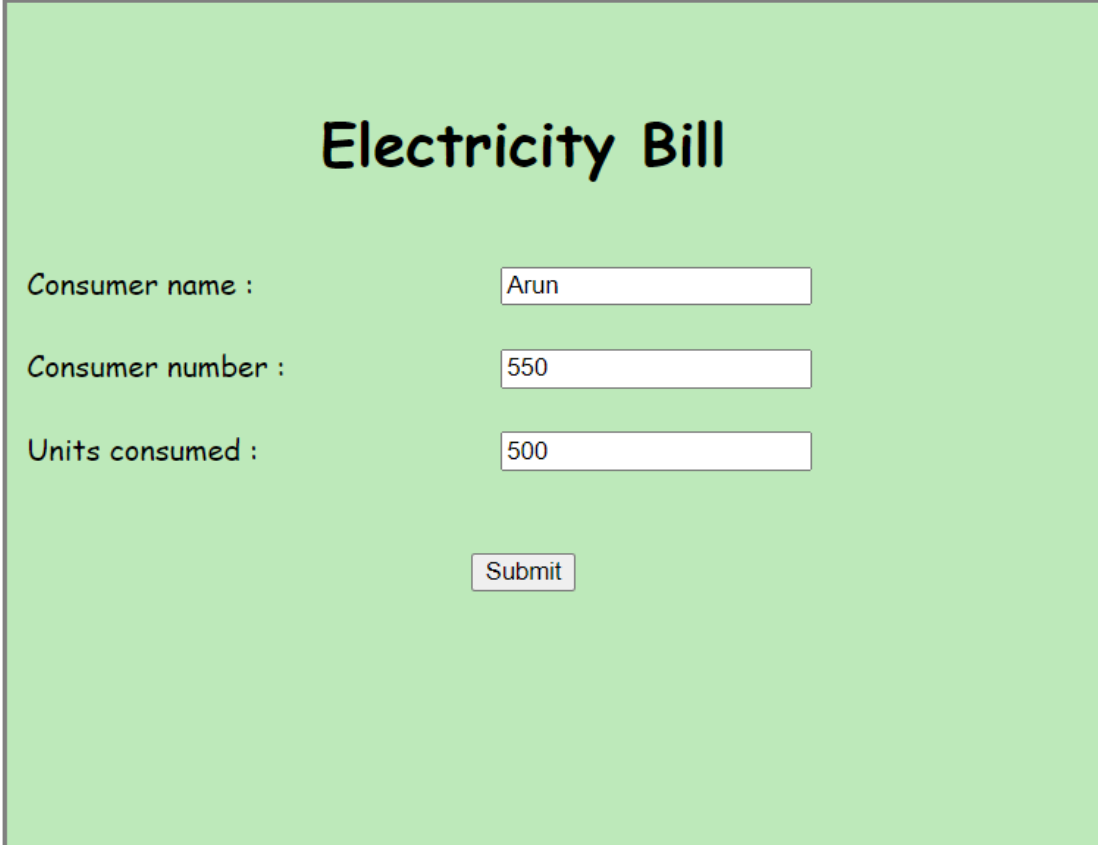
```
<?php echo '<br />' . $result_str; ?>
```

```
</div>
```

```
</body>
```

```
</html>
```

OUTPUT:



The screenshot shows a web form titled "Electricity Bill" on a light green background. The form contains three input fields: "Consumer name :" with the value "Arun", "Consumer number :" with the value "550", and "Units consumed :" with the value "500". Below these fields is a "Submit" button.

Electricity Bill

Consumer name :

Consumer number :

Units consumed :

Name : Arun

Consumer number : 550

Units Consumed : 500

Amount to be paid : 2800.00

Lab Cycle 4

CO4: Design front end web page and connect to the back-end databases.

Program # 17

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

PROGRAM CODE:

```
<?php
$conn = mysqli_connect("localhost", "root", "", "college");
if (!$conn) {
    echo "Connection Failed" . "<br>";
} else {
    echo "Connected successfully" . "<br>";
}

$sql = "INSERT INTO student (stu_id, name, course) VALUES (67, 'Surya'
'MCA'),(45,'sree','BTech'),(78,'aami','BCA'),(70,'aryan','MTech')";
if (mysqli_query($conn, $sql)) {
    echo "Inserted Successfully" . "<br>";
} else {
    echo "Insertion Failed" . "<br>";
}

$select_query = "SELECT * FROM student";
$result = mysqli_query($conn, $select_query);
if (mysqli_num_rows($result) > 0)
{
    echo "<center><h1 style='color: black'>Student Details</h1></center>";
    echo "<center><table border='5' cellpadding='1' cellspacing='10'
align='center' bgcolor='white'>
```

```

        <tr>
            <th>Student Id</th>
            <th>Name</th>
            <th>Course</th>
        </tr>";
while ($row = mysqli_fetch_assoc($result)) {
    echo "<tr>";
    echo "<td>" . $row['stu_id'] . "</td>";
    echo "<td>" . $row['name'] . "</td>";
    echo "<td>" . $row['course'] . "</td>";
    echo "</tr>";
}
echo "</table></center>";
} else {
    echo "No records found in the student table";
}
mysqli_close($conn);
?>

```

OUTPUT:

Connected successfully
 Inserted Successfully

Student Details

Student Id	Name	Course
67	Surya	MCA
45	sree	BTech
78	aami	BCA
70	aryan	MTech

CO5: Develop Web Applications

Program # 18

Create a HTML page to display a new image and text when the mouse comes over the existing content in the page using JavaScript Event Handling mechanism.

PROGRAM CODE:

```
<html>
<head>
<style>
  body {
    font-family:cursive;
    background-color: white;
    margin: 0;
    padding: 0;
  }
  #regform {
    border: 2px solid blue;
    background-color: white;
    width: 500px;
    height: auto;
    margin: 50px auto;
    padding: 20px;
    border-radius: 10px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
  }
  #regform h2, #regform h3, #regform h4 {
    color: blue;
  }
  #regform input[type="text"],
  #regform input[type="submit"] {
    padding: 8px;
    margin-bottom: 10px;
    width: calc(100% - 20px);
    box-sizing: border-box;

    #regform input[type="submit"] {
      background-color: blue;
      color: black;
      border: none;
      cursor: pointer;
      transition: background-color 0.3s ease;
```



```

    }
    #regform input[type="submit"]:hover {
        background-color: blue;
    }
    table {
        border-collapse: collapse;
        width: 100%;
        margin-top: 20px;
    }
    th, td {
        border: 1px solid #ddd;
        padding: 8px;
        text-align: left;
    }
    th {
        background-color: blue;
        color: white;
    }
    tr:nth-child(even) {
        background-color: #f2f2f2;
    }
    tr:hover {
        background-color: #ddd;
    }
</style>
</head>
<body>
<div id="regform">
<h2><center>Sarga Book Stall</center></h2>
<!-- <h3><center>Input Form</center></h3> -->
<form name="marksForm" action="book.php" method="post">
<label>Title:</label>
<input type="text" id="title" name="title" > <br><br>
<label>Author:</label>
<input type="text" id="author" name="author"> <br><br>
<label>Edition:</label>
<input type="text" id="edition" name="edition"> <br><br>
<label>Publisher:</label>
<input type="text" id="publisher" name="publisher"><br><br>
<input type="submit" name="submit" value="Submit"><br><br>
<h3><center>Search Book Details </center></h3>
<form name="searchForm" action="book.php" method="post">
<label>Author:</label>
<input type="text" name="author1"><br><br>
<input type="submit" name="search" value="search"><br><br>
</div>

```

```

</form>
<?php
$conn= mysqli_connect("localhost","root","","book");
if (!$conn) {
die("Connection failed: " . mysqli_connect_error());
}
// echo "Connected successfully<br>";
if (isset($_POST['submit']))
{
$title = $_POST['title'];
$author = $_POST['author'];
$edition = $_POST['edition'];
$publisher = $_POST['publisher'];

echo " The values are: ".<br>';
echo "Title: ".$title.<br>';
echo "Author: ".$author.<br>';
echo "Edition: ".$edition.<br>';
echo "Publisher: ".$publisher.<br>';

$sql="insert into book(title,author,edition,publisher) values('$title', '$author',
$edition, '$publisher')";
if (mysqli_query($conn, $sql)) {
echo "<br>New record created successfully";
} else {
echo "Error: " . $sql . "<br>" . mysqli_error($conn);
}
}

if(isset($_POST['search']))
{
$author1 = $_POST['author1'];
$sql="select * from book where author='$author1'";
$res= mysqli_query($conn, $sql);
$totRows = mysqli_num_rows($res);
if($totRows==0)
{ echo "No records found!"; }
echo "<center><table><tr>";
echo "<th>Title</th><th>Author</th><th>Edition</th><th>Publisher</th>";
echo "</tr><tr>";
while($row = mysqli_fetch_assoc($res))
{

echo "<td>".$row["title"]."</td>";
echo "<td>".$row["author"]."</td>";

```

```
echo "<td>".$row["edition"]."</td>";  
echo "<td>".$row["publisher"]."</td>";  
echo "</tr>";  
}  
echo "</table></center>";  
}  
?>
```

OUTPUT:

Sarga Book Stall

Title:

Author:

Edition:

Publisher:

Search Book Details

Author:

The values are:

Title: The Merchant Of Vannice

Author: William Shakespeare

Edition: 5

Publisher: Simon

New record created successfully

Search Book Details

Author:

William Shakespeare

search

Title	Author	Edition	Publisher
The Merchant Of Vannice	William Shakespeare	5	Simon