

## Lab Cycle 3

### Program#13

**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:

##### **sort.php**

```
<!DOCTYPE html>
<html>
<head>
    <title>ArraySort</title>
    <style>
    body{
        margin-top:90px;
        max-width: 620px;
        margin-left:420px;
        margin-height:340px;
        border-style: outset ;
    }
</style>
</head>
<body><br>
    <center><h2>Sorting Arrays-PHP</h2></center><br>
<?php
$students = array("kinza", "najma", "nihal", "gopika");
echo "<b>Original indexed array: </b>";
print_r($students);
sort($students);
echo "<br><b>Sorted array (sort): </b>";
print_r($students);
rsort($students);
echo "<br><b>Sorted array (rsort): </b>";
print_r($students);
$age = array("kinza"=>"20", "najma"=>"26", "nihal"=>"18", "gopika"=>"22");
echo "<b><br><br>Original associated array: </b>";
print_r($age);
asort($age);
echo "<br><b>Sorted array (asort): </b>";
print_r($age);
arsort($age);
echo "<br><b>Sorted array (arsort): </b>";
print_r($age);
ksort($age);
```

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

**OUTPUT:**

## Sorting Arrays-PHP

**Original indexed array:** Array ( [0] => kinza [1] => najma [2] => niha [3] => gopika )

**Sorted array (sort):** Array ( [0] => gopika [1] => kinza [2] => najma [3] => niha )

**Sorted array (rsort):** Array ( [0] => niha [1] => najma [2] => kinza [3] => gopika )

**Original associated array:** Array ( [kinza] => 20 [najma] => 26 [niha] => 18 [gopika] => 22 )

**Sorted array (asort):** Array ( [niha] => 18 [kinza] => 20 [gopika] => 22 [najma] => 26 )

**Sorted array (arsort):** Array ( [najma] => 26 [gopika] => 22 [kinza] => 20 [niha] => 18 )

**Sorted array (ksort):** Array ( [gopika] => 22 [kinza] => 20 [najma] => 26 [niha] => 18 )

**Sorted array (krsort):** Array ( [niha] => 18 [najma] => 26 [kinza] => 20 [gopika] => 22 )

## Program#14

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

### PROGRAM CODE:

#### **prgm2.php**

```
<!DOCTYPE html>
<head>
  <title>Indian Cricket Players</title>
  <style>
    table {
      border-collapse: collapse;
      width: 50%;
      margin: 50px;}
    th, td {
      border: 2px solid black;
      text-align: center;
      padding: 15px;}
    th {
      background-color: green;}
  </style>
</head>
<body>
<?php
$Players = array(
  "Sachin Tendulkar",
  "Ravindra Jadeja",
  "Suryakumar Yadav",
  "MS Dhoni",
  "Virat Kohli",
  "Shubman Gill",
  "Jaspreet Bumrah",
  "Rohit Sharma",
  "Shikhar Dhawan",
  "Hardik Pandya",
);
?>
<table>
  <thead>
    <tr>
      <th><center>Indian Cricket Players</center></th>
    </tr>
  </thead>
  <tbody>
    <?php
```

```
foreach ($Players as $player) {  
    echo "<tr><td>$player</td></tr>";  
}  
?>  
</tbody>  
<thead>  
</table>  
</body>  
</html>
```

**OUTPUT:**

Indian Cricket Players
Sachin Tendulkar
Ravindra Jadeja
Suryakumar Yadav
MS Dhoni
Virat Kohli
Shubman Gill
Jaspreet Bumrah
Rohit Sharma
Shikhar Dhawan
Hardik Pandya

## **Program#15**

**15.** Outline a registration form using PHP and do necessary validations.

### **PROGRAM CODE:**

#### **prgm3.php**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Registration Form</title>
<style>
#container{
width: 602px;
height: 550px;
margin: 8px auto;
padding: 5px;
border: 5px solid black;
}
input[type="text"],input[type="email"],input[type="password"]{
margin-right:5px;
width:98%;
height:40px;
padding:2px 0px 2px 4px;
background:#ecf0f1;
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:blue;
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" required><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>

```

### registration.php

```

<?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:

## Registration Form

**Username:**

**Email:**

**Phone Num**

 Please include an '@' in the email address. 'zaebababy' is missing an '@'.

**Password:**

**Confirm Password:**

**SUBMIT**


## Registration Form

**Username:**

**Email:**

**Phone Number:**

**Password:**

 Please match the requested format.

**Confirm Password:**

**SUBMIT**

## Registration Form


**Username:**

**Email:**

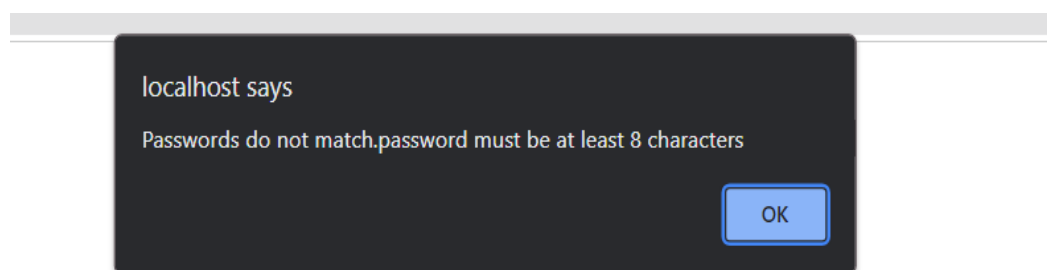
**Phone Number:**

**Password:**

**Confirm Password:**



**SUBMIT**





## Program#16

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

### PROGRAM CODE:

#### **prgm4.php**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Electricity Bill Calculator</title>
</head>
<style>
#container{
width: 602px;
height: 400px;
margin: 8px auto;
padding: 5px;
border: 5px solid black; }
input[type="number"]{
  width:28%;
  height:20px;
  padding:2px 0px 2px 4px;
  background:#ecf0f1;
  border:2px solid rgba(0,0,0,1);
  color:black; }
input[type="submit"]:hover{
  opacity:2;
  cursor:pointer;
background-color: blue;}
</style>
<body>
<div id="container">
  <h2 style="color:blue"><b><center>Electricity Bill</center></h2><br><br>
<form action="prgm4.php" method="post">
  <b><label for="units_consumed">Enter Units Consumed:</label>
  <input type="number" id="units_consumed" name="units_consumed" required><br><br>
</b><br><input type="submit" value="Calculate">
  <b> <?php
  if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $units_consumed = $_POST["units_consumed"];
    $first_slab = 3.50;
    $second_slab = 4.50;
    $total_bill = 0;
    if ($units_consumed <= 100) {
```

```

$total_bill = $units_consumed * $first_slab;
echo "<p>Units Consumed: " . $units_consumed . "</p>";
echo "<p>Total Bill Amount: Rs" . number_format($total_bill, 2) . "</p>";
} else {
    $total_bill = (100 * $first_slab) + (($units_consumed - 100) * $second_slab);
    echo "<p>Units Consumed: " . $units_consumed . "</p>";
    echo "<p>Total Bill Amount: Rs" . number_format($total_bill, 2) . "</p>";
}
}
?></b>
</form></div></body>
</html>

```

### OUTPUT:

**Electricity Bill**

Enter Units Consumed:

**Electricity Bill**

Enter Units Consumed:

**Units Consumed: 36**

**Total Bill Amount: Rs126.00**

## Lab Cycle 4

### Program#17

**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:

##### **connection.php**

```
<?php
$conn = mysqli_connect("localhost","root","", "college");
if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}
echo "Connected successfully";
echo "<br>";
$sql = "INSERT INTO student(rollno,name, age,cid) VALUES (50, 'ram',23,103)";
if (mysqli_query($conn, $sql)) {
    echo "New record created successfully";
    echo "<br>";
} else {
    echo "Error: " . $sql . "<br>" . mysqli_error($conn);
}
$sql = "SELECT rollno,name,age,cid FROM student";
$result = mysqli_query($conn, $sql);
if (mysqli_num_rows($result) > 0) {
    echo "<h1 style='color: green'>Student Table</h1>";
    echo "<center><table border='6' cellspacing='1' cellpadding='10' align='left' bgcolor='white'>
        <tr>
            <th>Roll No</th>
            <th>Name</th>
            <th>Age</th>
            <th>Course ID</th>
        </tr>";
    while($row = mysqli_fetch_assoc($result)) {
        echo "<tr>";
        echo "<td>" . $row['rollno'] . "</td>";
        echo "<td>" . $row['name'] . "</td>";
        echo "<td>" . $row['age'] . "</td>";
        echo "<td>" . $row['cid'] . "</td>";
        echo "</tr>";
    }
    echo "</table></center>";
} else {
    echo "No records found";
}
```

```

}
mysqli_close($conn);
?>

```

**OUTPUT:**

rollno	name	age	cid
1	Doe	21	101
2	shana	21	101
3	Dowry	21	102
5	ashna	20	103
6	zaeba	20	102
7	hala	20	102
8	shimna	21	101
10	sita	20	102
50	ram	23	103
60	rohan	21	103

Connected successfully  
New record created successfully

**Student Table**

Roll No	Name	Age	Course ID
1	Doe	21	101
2	shana	21	101
3	Dowry	21	102
5	ashna	20	103
6	zaeba	20	102
7	hala	20	102
8	shimna	21	101
10	sita	20	102
50	ram	23	103
60	rohan	21	103

## **Lab Cycle 5**

### **Program#18**

**18.** Develop an application in PHP and MySQL, to accept book details viz.Book id, title, authors, edition and publisher from an HTML form in a web page and save the records in a database and to search for a book using the author name and display the search results

#### **PROGRAM CODE:**

##### **book.php**

```
<html>
<head>
<style>
  body {
    font-family: times new roman;
    background-color: #f4f4f4;
  }
  #regform {
    border: 6px solid black;
    background-color: #fff;
    width: 630px;
    height: 780px;
    margin: 50px auto;
    padding: 4px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
  }
  #regform h2, #regform h3, #regform h4 {
    color: #3498db;
  }
  #regform input[type="text"],
  #regform input[type="submit"] {
    padding: 4px;
    width: calc(100% - 20px);
    box-sizing: border-box;
  }
  #regform input[type="submit"] {
    background-color: blue;
    color: white;
    border: none;
    cursor: pointer;
    transition: background-color 0.3s ease;
  }
  #regform input[type="submit"]:hover {
```

```

        background-color: green;
    }
    table {
        border-collapse: collapse;
        width: 100%;
        margin-top: 4px;
    }
    th, td {
        border: 1px solid black;
        padding: 4px;
        text-align: left;
    }
    th {
        background-color: linen;
        color: black;
    }
    tr:nth-child(even) {
        background-color: #f2f2f2;
    }
    tr:hover {
        background-color: green;
    }
</style>
</head>
<body>
<div id="regform">
<h2><center>Book Stall</center></h2>
<form name="marksForm" action="book.php" method="post">
<label>Book id:</label>
<input type="text" id="bid" name="bid" > <br><br>
<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 </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>
</form>
<?php
$conn= mysqli_connect("localhost","root","","college");
if (!$conn) {
die("Connection failed: " . mysqli_connect_error());
}

```

```

echo "Connected successfully<br>";
if (isset($_POST['submit']))
{
    $bid= $_POST['bid'];
    $title = $_POST['title'];
    $author = $_POST['author'];
    $edition = $_POST['edition'];
    $publisher = $_POST['publisher'];
    echo " The values are: ".<br>;
    echo "Book id: ".$bid.<br>;
    echo "Title: ".$title.<br>;
    echo "Author: ".$author.<br>;
    echo "Edition: ".$edition.<br>;
    echo "Publisher: ".$publisher.<br>;
    $sql="insert into book(bid,title,author,edition,publisher) values('$bid','$title','$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($totRows==0)
        { echo "No records found!"; }
        echo "<center><table><tr>";
        echo "<th>Book id</th><th>Title</th><th>Author</th><th>Edition</th>
        <th>Publisher</th>";
        echo "</tr><tr>";
        while($row = mysqli_fetch_assoc($res))
        {
            echo "<td>".$row["bid"]."</td>";
            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>";
    }
    ?>
</div>
</body>
</html>

```

**OUTPUT:**

### Book Stall

Book id:

Title:

Author:

Edition:

Publisher:

### Search book

Author:

Connected successfully

### Book Stall

Book id:

Title:

Author:

Edition:

Publisher:

### Search book

Author:

Connected successfully  
The values are:  
Book id: 164  
Title: The Alchemist  
Author: Paulo Cohelo  
Edition: first edition  
Publisher: anurag  
New record created successfully



**Book Stall**

Book id:

Title:

Author:

Edition:

Publisher:

**Submit**

**Search book**

Author:

**search**

Connected successfully  
 The values are:  
 Book id: 164  
 Title: The Alchemist  
 Author: Paulo Cohelo  
 Edition: first edition  
 Publisher: anurag

New record created successfully

**Book Stall**

Book id:

Title:

Author:

Edition:

Publisher:

**Submit**

**Search book**

Author:

**search**

Connected successfully

Book id	Title	Author	Edition	Publisher
134	Wings of fire	APJ	first edition	Rupa