

Programs - 10

28

Aim

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

Code

```
<html>
```

```
  <head>
```

```
    <title> Indian Cricket Players </title>
```

```
  <style>
```

```
    body {
```

```
        text-align: center;
```

```
        font-family: Arial, Sans-Serif;
```

```
        background-color: #95b8d5;
```

```
}
```

```
    table {
```

```
        margin: 0 auto;
```

```
        border-collapse: collapse;
```

```
        width: 80%;
```

```
        background-color: #eddcdb;
```

```
}
```

```
    th, td {
```

```
        border: 2px solid #3b3a30;
```

```
        padding: 10px;
```

```
        text-align: center;
```

```
}
```

```
</style>
```

```

</head>
<body>
  <h1> Indian Cricket Players </h1>
  <table>
    <tr>
      <th> Player Name </th>
    </tr>
    <?php
      $players = array(
        "Shubman Gill", "Harmanpreet Kaur", "Rohit
        Sharma", "Virat Kohli", "Smriti Mandhana",
        "Hardik Pandya", "Suryakumar Yadav", "Jasprit
        Bumrah", "Mohammed Shami", "Yuvraj Singh"
      );
      foreach ($players as $player) {
        echo "<tr><td>$player</td></tr>";
      }
    ?>
  </table>
</body>
</html>

```

Result

The program was successfully executed.

Program-11

30

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 and arsort functions.

Code

```
<html>
<head>
    <title> Student Names </title>
    <style>
        body {
            background-color: #95b8d5;
            font-family: Arial, sans-serif;
        }
        pre {
            background-color: lightgrey;
        }
    </style>
</head>
<body>
    <h1> Student Names </h1>
    <?php
        $stu
        $students = ["Jyotish", "Mujeeb", "Sunaj",
                    "Somin", "Lakshmi"];
        echo "<h2> Original Array </h2>";
    </?php>
```

3)

```
echo "<pre>";
```

```
Print_r ($students);
```

```
echo "</pre>";
```

```
asort ($students);
```

```
echo "<h2> Array sorted with asort (): </h2>";
```

```
echo "<pre>";
```

```
Print_r ($students);
```

```
echo "</pre>";
```

```
arsort ($students);
```

```
echo "<h2> Array sorted with arsort (): </h2>";
```

```
echo "<pre>";
```

```
Print_r ($students);
```

```
echo "</pre>";
```

?>

</body>

</html>

Result

The Program was successfully executed.

Program-12

32

Aim

Write a PHP Program to find Factorial of a number

Code

```
<html>
<head>
    <style>
        .output {
            padding: 30px;
            font-family: Arial, sans-serif;
            color: white;
        }
    </style>
</head>
<body bodycolor = "maroon">
    <div class = "output">
        <?php
            function factorial ($n) {
                if ($n < 0) {
                    return "Factorial is not defined
                           for negative number";
                } elseif ($n == 0) {
                    return 1;
                } else {
                    return $n * factorial($n - 1);
                }
            }
        </?php>
    </div>
</body>
```

{

```
$number = 8;
```

```
$result = factorial($number);
```

```
echo "The factorial of $number is $result";
```

```
?
```

```
</div>
```

```
</body>
```

```
</html>
```

Result

The program was successfully executed.

Program - 13

34

Aim

Write a PHP Program to Print Fibonacci Series upto 20.

Code

```
<html>
```

```
<head>
```

```
<style>
```

```
    .output {
```

```
        padding: 30px;
```

```
        font-family: Arial, sans-serif;
```

```
        color: white;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body> bgcolor = "maroon">
```

```
<div class = "output">
```

```
<?php
```

```
function FibonacciSeries($n) {
```

```
    $num1 = 0;
```

```
    $num2 = 1;
```

```
    echo "Fibonacci Series upto $n terms  
: <br><br>";
```

```
    for ($i=0; $i < $n; $i++) {
```

```
        echo $num1 . " ";
```

```
        $num3 = $num1 + $num2;
```

```
        $num1 = $num2;
```

```
    $num2 = $num3;  
}  
}
```

```
FibonacciSeries(20);  
?>
```

```
</div>  
</body>  
</html>
```

Result

The Program was successfully completed.

Program - 14

36

Aim

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

Code

```
<?php  
$servername = "localhost";  
$username = "root";  
$password = "";  
$dbname = "db";  
  
$conn = new mysqli($servername, $username,  
$password, $dbname);  
  
if ($conn->connect_error) {  
    die("connection failed: " . $conn->connect_error);  
} else {  
    echo "connected successfully!";  
}  
  
$table_creation_sql = "CREATE TABLE IF NOT  
EXISTS People (  
id INT PRIMARY KEY,  
firstname VARCHAR(100) NOT NULL,  
lastname VARCHAR(100),  
age INT NOT NULL  
)";
```

```
If ($conn->query($table-creation-sql) == TRUE)
```

```
{ echo "Table People created successfully"; }
```

```
else { echo "Error creating table: " . $conn->error; }
```

```
$sql = "SELECT COUNT(*) AS total_count FROM People";
```

```
$result = $conn->query($sql);
```

```
$row = $result->fetch_assoc();
```

```
If ($row['total_count'] == 0) {
```

```
$insert-sql = "INSERT INTO People (id, firstname, lastname, age) VALUES
(101, 'Jyothish', 'mohan', 23),
(102, 'Sooraj', 'k', 21),
(103, 'Abdul', 'Janeeb', 22);
```

```
If ($conn->query($insert-sql) == TRUE) {
```

```
echo "New records are created successfully  
<br>";
```

```
} else {
```

```
echo "Error inserting records: " . $conn->error.  
" <br>";
```

```
}
```

```
$sql = "SELECT * FROM people";
```

```
$result = $conn->query($sql);
```

```

if ($result->num_rows > 0) {
    echo "<html><head><title> Data Table </title></head>
<body>";
    echo "<h1> People Details </h1>";
    echo "<table border='1' style='border-collapse:
collapse; '>";
    echo "<tr><th> ID </th><th> First Name </th>
<th> Last Name </th><th> Age </th></tr>";
    while ($row = $result->fetch_assoc()) {
        echo "<tr>";
        echo "<td>" . $row["id"] . "</td>";
        echo "<td>" . $row["firstname"] . "</td>";
        echo "<td>" . $row["lastname"] . "</td>";
        echo "<td>" . $row["age"] . "</td>";
        echo "</tr>";
    }
    echo "</table>";
    echo "</body></html>";
} else {
    echo "0 results <br>";
}
$conn->close();
?>

```

Result

The program was executed successfully.