

Q

Write a PHP script to keep track of number of times the web page has been accessed (Use Session Tracking).

ans

```
<?php
session_start();
if(isset($_SESSION['C']))
{
    $_SESSION['C']+=1;
    echo"<br>thank you for visiting  "._SESSION['C']."times";
}

else
{
    $_SESSION['C']=1;
    echo"<br>welcome for the first time";
}

?>
```

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Q Write a PHP script to change the preferences of your web page like font style, font size, font color, background color using cookie. Display selected setting on next web page and actual implementation (with new settings) on third page (Use Cookies).

ans

```
a2.php
<?php
echo "style is ".$_GET['s1']."<br>color is ".$_GET['c']."<br>Background color is ".$_GET['b']."<br>size is ".$_GET['s'];
setcookie("set1",$_GET['s1'],time()+3600);
setcookie("set2",$_GET['c'],time()+3600);
setcookie("set3",$_GET['b'],time()+3600);
setcookie("set4",$_GET['s'],time()+3600);
?>
```

```
<html>
<body>
<form action="a2_2.php">
<input type=submit value=OK>
</form>
</body>
</html>
```

a2\_2.php

```
<?php
$style = $_COOKIE['set1'];
$color = $_COOKIE['set2'];
$size = $_COOKIE['set4'];
$b_color = $_COOKIE['set3'];
$msg = "its Royal";
echo "<body bgcolor=$b_color>";
echo "<font color=$color size=$size>$msg";
echo "</font></body>";
```

?>

a2.html

```
<html>
<body>
<form action="a2.php" method="get">
<center>
<b>Select font style :</b><input type="text" name="s1"> <br>
<b>Enter font size : </b><input type="text" name="s"><br>
<b>Enter font color : </b><input type="text" name="c"><br>
<b>Enter background color :</b> <input type="text" name="b"><br>
<input type="submit" value="Next">
</center>
</form>
</body>
</html>
```

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Q Write a PHP script to accept username and password. If in the first three chances, username and password entered is correct then display second form with "Welcome message" otherwise display error message. [Use Session]

ans

b1.php

```
<?php
session_start();
$nm = $_GET['n'];
$ps = $_GET['p'];
if ($nm == $ps)
    echo "correct<br> LogIn Successful<br>Welcome!!!";
else if (isset($_SESSION['cnt'])) {
    echo $_SESSION['cnt'] . " Chances Used Invalid Login";
    $_SESSION['cnt'] = $_SESSION['cnt'] + 1;
    if ($_SESSION['cnt'] > 3)
        echo "<br>Attempt Finished";
} else {
    $_SESSION['cnt'] = 1;
    echo "1 Chance Used Invalid Login";
}
?>
```

b1.html

```

<html
<body bgcolor=blue>

<form action=b1.php method=get>

<font size=6 color=blue>

<pre>

Enter Username : <input type=text name=n placeholder="username"><br>
Enter Password : <input type=password name=p placeholder="password"><br>

<input type=submit value=Login>

<pre>

</font>

</body>

</html>

```

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Q Write a PHP script to accept Employee details (Eno, Ename, Address) on first page. On second page accept earning (Basic, DA, HRA). On third page print Employee information (Eno, Ename, Address, Basic, DA, HRA, Total) [ Use Session].

ans

b2.php

```

<?php
session_start();

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    if (!isset($_SESSION['employee_details'])) {
        $_SESSION['employee_details'] = [
            'Eno' => $_POST['eno'],
            'Ename' => $_POST['ename'],
            'Address' => $_POST['address']
        ];

        header('Location: ' . $_SERVER['PHP_SELF']);
        exit();
    } elseif (!isset($_SESSION['earning_details'])) {
        $_SESSION['earning_details'] = [
            'Basic' => $_POST['basic'],
            'DA' => $_POST['da'],
            'HRA' => $_POST['hra']
        ];

        header('Location: ' . $_SERVER['PHP_SELF']);
        exit();
    }
}

if (isset($_SESSION['employee_details']) && isset($_SESSION['earning_details']))
{
    $employeeDetails = $_SESSION['employee_details'];
}

```

```

$earningDetails = $_SESSION['earning_details'];

$totalEarnings = $earningDetails['Basic'] + $earningDetails['DA'] +
$earningDetails['HRA'];
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Employee Details</title>
</head>
<body>
    <?php if (!isset($employeeDetails) || !isset($earningDetails)) : ?>

        <h2>Employee Details</h2>
        <form action="<?php echo $_SERVER['PHP_SELF']; ?>" method="post">
            <label for="eno">Employee Number:</label>
            <input type="text" name="eno" required><br>

            <label for="ename">Employee Name:</label>
            <input type="text" name="ename" required><br>

            <label for="address">Address:</label>
            <input type="text" name="address" required><br>

            <input type="submit" value="Next">
        </form>
    <?php elseif (!isset($totalEarnings)) : ?>

        <h2>Earning Details</h2>
        <form action="<?php echo $_SERVER['PHP_SELF']; ?>" method="post">
            <label for="basic">Basic:</label>
            <input type="text" name="basic" required><br>

            <label for="da">DA:</label>
            <input type="text" name="da" required><br>

            <label for="hra">HRA:</label>
            <input type="text" name="hra" required><br>

            <input type="submit" value="Next">
        </form>
    <?php else : ?>

        <h2>Employee Information</h2>
        <p><strong>Employee Number:</strong> <?php echo $employeeDetails['Eno'];
?></p>
        <p><strong>Employee Name:</strong> <?php echo $employeeDetails['Ename'];
?></p>
        <p><strong>Address:</strong> <?php echo $employeeDetails['Address']; ?
></p>
        <p><strong>Basic:</strong> <?php echo $earningDetails['Basic']; ?></p>
        <p><strong>DA:</strong> <?php echo $earningDetails['DA']; ?></p>
        <p><strong>HRA:</strong> <?php echo $earningDetails['HRA']; ?></p>
        <p><strong>Total Earnings:</strong> <?php echo $totalEarnings; ?></p>
    <?php endif; ?>
</body>

```

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Q Create XML file named "Item.xml" with item-name, item-rate, item quantity

Store the details of 5  
Items of different Types

ans

item.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<items>
<item>
<itemname>Pencil</itemname>
<itemrate>10</itemrate>
<quantity>3</quantity>
</item>
<item>
<itemname>Pen</itemname>
<itemrate>20</itemrate>
<quantity>3</quantity>
</item>
<item>
<itemname>Eraser</itemname>
<itemrate>5</itemrate>
<quantity>5</quantity>
</item>
<item>
<itemname>Sharpner</itemname>
<itemrate>8</itemrate>
<quantity>5</quantity>
</item>
<item>
<itemname>Compass</itemname>
<itemrate>20</itemrate>
<quantity>5</quantity>
</item>
</items>
```

-----

Q Write PHP script to read "book.xml" file into simpleXML object. Display attributes and elements .  
( simple\_xml\_load\_file() function )

ans

Book.xml

```
<?xml version='1.0' encoding ='UTF-8' ?>
<bookstore>
<books category="technical">
<book_no>1</book_no>
<book_name>def</book_name>
<author_name>xxx</author_name>
<price>100</price>
<year>1990</year>
</books>
<books category="Cooking">
<book_no>2</book_no>
<book_name>ccc</book_name>
<author_name>aaa</author_name>
<price>200</price>
<year>1950</year>
```

```
</books>
<books category="YOGA">
<book_no>3
<book_name>ddd</book_name>
<author_name>zzz</author_name>
<price>150</price>
<year>2016</year>
</books>
</bookstore>
```

book.php

```
<?php
$xml=simplexml_load_file("Book.xml") or die("error:cannot create object");
var_dump($xml);
?>
```

-----  
-----

Q Write a PHP script to read "Movie.xml" file and print all MovieTitle and ActorName of file using DOMDocument Parser. "Movie.xml" file should contain following information with at least 5 records with values. MovieInfoMovieNo, MovieTitle, ActorName ,ReleaseYear

ans

movies.php

```
<?php
$doc = new DOMDocument;
$doc->load('Movie.xml');
$movies = $doc->getElementsByTagName('MovieInfo');
foreach ($movies as $movie) {
$title = $movie->getElementsByTagName('MovieTitle');
$title = $title->item(0)->nodeValue;
$actors = $movie->getElementsByTagName('ActorName');
$actor = $actors->item(0)->nodeValue;
echo $title . ': ' . $actor . '<br>';
}
?>
```

-----  
-----

Q Write a JavaScript to display message 'Exams are near, have you started preparing for? (use alert box ) and Accept any two numbers from user and display addition of two number .(Use Prompt and confirm box)

ans

```
<!DOCTYPE html>
<html>
```

```

<body bgcolor="red">

<h1>
  Welcome
</h1>

<p id="demo"></p>

<script>
  window.alert("Exams Are Near, Have You Started Preparing For...???");

  var person = prompt("Please Enter Your Name:", "Mahesh Patil");
  if (person !== null) {
    document.getElementById("demo").innerHTML = "Hello " + person + "!" + "<br>
Exams Are Near, Have You Started Preparing For...???";
  }
  window.confirm("Make Confirmation...!!!");
</script>

</body>

</html>

```

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 ----

Q Write a JavaScript function to validate username and password for a membership form

ans

Validate.html

```

<!DOCTYPE html>
<html >
<head>
<title>Document</title>
</head>
<body>
<script>
function validateForm(username, password) {
if (username.length < 3 || password.length < 6) {
return false;
}
else {
return true;
}
}
let username = prompt("Please enter your username");
let password = prompt("Please enter your password");
if (validateForm(username, password)) {
alert("You have successfully logged in!");
} else {
alert("Sorry, your username or password was invalid.");
}
</script>
</body>
</html>

```

-----

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Q Create a HTML file to insert text before and after a Paragraph using jQuery.  
[Hint : Use before( ) and after( )]

ans

.html

```
<!DOCTYPE html>
<html>

<head>
<script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>

<script>
$(document).ready(function () {
    $("#btn1").click(function () {
        $("#img").before("<b>Chhatrapati Shivaji
Maharaj<br></b>");
    });
    $("#btn2").click(function () {
        $("#img").after("<b>ki jaiiii<br></b>");
    });
});
</script>
</head>

<body>



<button id="btn1">Insert before</button>
<button id="btn2">Insert after</button>

</body>

</html>
```

-----

Q Write a Javascript program to accept name of student, change font color to red, font size to 18 if student name is present otherwise on clicking on empty text box display image which changes its size (Use onblur, onload, onmouseover, onclick, onmouseup)

ans

```
<html>
<head>
<title>Student Name</title>
<script>
function changeStyle(element) {
if (element.value == "") {
element.style.color = "red";
element.style.fontSize = "18px";
document.getElementById("image").style.display = "block";
document.getElementById("image").style.width = "100px";
document.getElementById("image").style.height = "100px";
```

```

} else {
element.style.color = "red";
element.style.fontSize = "18px";
document.getElementById("image").style.display = "none";
}
}
</script>
</head>
<body>
<input type="text" name="studentname" onfocus="changeStyle(this)"
onblur="changeStyle(this)" />

</body>
</html>

```

-----

Q Write AJAX program to read contact.dat file and print the contents of the file in a tabular format when the user clicks on print button. Contact.dat file should contain srno, name, residence number, mobile number, Address. [Enter at least 3 record in contact.dat file]

ans

contact.dat file:

```

1, John, 1234567890, 0987654321, 123 Main St
2, Alex, 1234567891, 0987654322, 456 Park Ave
3, Jack, 1234567892, 0987654323, 789 Pine St

```

```

<html>
<head>
<script>
function readData() {
var xhttp = new XMLHttpRequest();
xhttp.onreadystatechange = function() {
if (this.readyState == 4 && this.status == 200) {
document.getElementById("printTable").innerHTML = this.responseText;
}
};
xhttp.open("GET", "contact.dat", true);
xhttp.send();
}
</script>
</head>
<body>
<button type="button" onclick="readData()">Print</button><br /><br />
<table id="printTable"></table>
</body>
</html>

```

-----

Write AJAX program where the user is requested to write his or her name in a text box, and the server keeps sending back responses while the user is typing. If the user name is not entered then the message displayed will be, "Stranger,

please tell me your name!". If the name is Rohit, Virat, Dhoni, Ashwin or Harbhajan , the server responds with "Hello, master !". If the name is anything else, the message will be ", I don't know you!"

Demo.html

```
<html>
<head>
<title>Form for number input</title>
</head>
<body>
<script type="text/javascript">
function getName() {
var name = document.getElementById("name").value;
if (name == "") {
document.getElementById("response").innerHTML = "Stranger, please tell me your
name!";
}
else {
var xhttp = new XMLHttpRequest();
xhttp.onreadystatechange = function() {
if (this.readyState == 4 && this.status == 200) {
var response = this.responseText;
document.getElementById("response").innerHTML = response;
}
};
xhttp.open("GET", "demo.php?name=" + name, true);
xhttp.send();
}
}
</script>
<form>
Name: <input type="text" id="name" onkeyup="getName()">
</form>
<div id="response"></div>
</body>
</html>
```

Demo.php

```
<?php
if (isset($_GET['name'])) {
$name = $_GET['name'];
if ($name == 'Rohit' || $name == 'Virat' || $name == 'Dhoni' || $name ==
'Ashwin' || $name ==
'Harbhajan') {
echo "Hello, master!";
} else {
echo "I don't know you!";
}
}
?>
```

-----

Q Create TEACHER table as follows TEACHER(tno, tname, qualification, salary).

Write Ajax program to select a teachers name and print the selected teachers details

```
<html>
<head>
<script>
function showTeacher(str) {
var xhttp;
if (str == "") {
document.getElementById("teacherDetails").innerHTML = "";
return;
}
xhttp = new XMLHttpRequest();
xhttp.onreadystatechange = function() {
if (this.readyState == 4 && this.status == 200) {
document.getElementById("teacherDetails").innerHTML = this.responseText;
}
};
xhttp.open("GET", "getTeacherDetails.php?name="+str, true);
xhttp.send();
}
</script>
</head>
<body>
<form>
<select name="teachers" onchange="showTeacher(this.value)">
<option value="">Select a teacher:</option>
<?php
$con = mysqli_connect("localhost","my_user","my_password","my_db");
$sql = "SELECT tname FROM teacher";
$result = mysqli_query($con,$sql);
while ($row = mysqli_fetch_array($result)) {
echo "<option value='" . $row['tname'] . "'>" . $row['tname'] . "</option>";
}
mysqli_close($con);
?>
</select>
</form>
<br>
<div id="teacherDetails"><b>Details will be listed here.</b></div>
</body>
</html>
```

```
//PHP Script
<?php
$name = $_REQUEST['name'];
$con = mysqli_connect("localhost","my_user","my_password","my_db");
$sql = "SELECT * FROM teacher WHERE tname = '$name'";
$result = mysqli_query($con,$sql);
while ($row = mysqli_fetch_array($result)) {
echo "<b>Teacher Number:</b> " . $row['tno'] . "<br>";
echo "<b>Name:</b> " . $row['tname'] . "<br>";
echo "<b>Qualification:</b> " . $row['qualification'] . "<br>";
echo "<b>Salary:</b> " . $row['salary'] . "<br>";
}
mysqli_close($con);
?>
```

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-----

Q Write Ajax program to fetch suggestions when is user is typing in a textbox. (eg like google suggestions. Hint create array of suggestions and matching string will be displayed)

```
<html>
<head>
<script type="text/javascript">
function suggest()
{
var arr = ["apple","banana","mango","orange","strawberry","grapes"];
var suggest = "";
var input = document.getElementById("txt1").value;
for(i=0;i<arr.length;i++)
{
if(arr[i].substring(0,input.length).toLowerCase() == input.toLowerCase())
{
suggest = suggest+" "+arr[i];
}
}
document.getElementById("txt2").innerHTML = suggest;
}
</script>
</head>
<body>
<input type="text" id="txt1" onkeyup="suggest();">
<p>Suggestions: <span id="txt2"></span></p>
</body>
</html>
```

-----

-

Q Write Ajax program to get book details from XML file when user select a book name. Create XML file for storing details of book(title, author, year, price).

BookInfo.xml

```
<?xml version="1.0" encoding="utf-8"?>
<BookList>
<Book>
<Title>The Great Gatsby</Title>
<Author>F. Scott Fitzgerald</Author>
<Year>1925</Year>
<Price>$7.99</Price>
</Book>
<Book>
<Title>To Kill a Mockingbird</Title>
<Author>Harper Lee</Author>
<Year>1960</Year>
<Price>$8.99</Price>
</Book>
<Book>
<Title>The Catcher in the Rye</Title>
<Author>J.D. Salinger</Author>
<Year>1951</Year>
<Price>$9.99</Price>
```

```
</Book>
</BookList>
```

Html file :

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Document</title>
</head>
<body>
<script>
function getBookDetails(bookName) {
var xhttp = new XMLHttpRequest();
xhttp.onreadystatechange = function() {
if (this.readyState == 4 && this.status == 200) {
var xmlDoc = this.responseXML;
var book = xmlDoc.getElementsByTagName("Book");
for (var i = 0; i < book.length; i++) {
if (book[i].getElementsByTagName("Title")[0].childNodes[0].nodeValue ==
bookName) {
alert("Author: " + book[i].getElementsByTagName("Author")
[0].childNodes[0].nodeValue + "\n"
+
"Year: " + book[i].getElementsByTagName("Year")[0].childNodes[0].nodeValue + "\n"
+
"Price: " + book[i].getElementsByTagName("Price")[0].childNodes[0].nodeValue);
}
}
}
};
xhttp.open("GET", "BookInfo.xml", true);
xhttp.send();
}
// Call the getBookDetails function
getBookDetails("The Catcher in the Rye");
</script>
</body>
</html>
```

-----  
---

Q Write a Java Script Program to show Hello Good Morning message onload event using alert box and display the Student registration form.

ans

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Document</title>
</head>
<body>
<script>
window.onload = function(){
alert("Hello Good Morning!");
var name = prompt("Please enter your name: ");
```

```

var email = prompt("Please enter your email address: ");
var contact = prompt("Please enter your contact number: ");
alert("Thank you for registering!\nName: " + name + "\nEmail: " + email + "\nContact Number: " + contact);
}
</script>
</body>
</html>

```

-----

Q Write a Java Script Program to print Fibonacci numbers on onclick event. Write a Java Script Program to print Fibonacci numbers on onclick event.

```

<html>
<head>
<title>Fibonacci Series</title>
<script type="text/javascript">
function fibonacci(n)
{
var a = 0, b = 1, c;
document.write("<h3>Fibonacci Series till "+n+"</h3>");
document.write(a+" "+b+" ");
for (var i = 2; i <= n; i++)
{
c = a + b;
a = b;
b = c;
document.write(c+" ");
}
}
</script>
</head>
<body>
<form >
Enter number:<br><input type="text" name=n>
<input type="button" value="Generate Fibonacci" onclick="fibonacci(n.value)" />
</form>
</body>
</html>

```

-----

---

Q Add a JavaScript File in Codeigniter. The Javascript code should check whether a number is positive or negative.

```

<!DOCTYPE html>
<html lang="en">
<head>
<title>Document</title>
</head>
<body>
<script type="text/javascript">
function checkPositiveOrNegative(number){
if (number > 0){
alert("The number is positive");

```

```

} else if (number < 0){
alert("The number is negative");
} else {
alert("The number is 0");
}
}
</script>
<form >
Enter number:<br><input type="text" name=n>
<input type="button" value="Check" onclick="checkPositiveOrNegative(n.value)" />
</form>
</body>
</html>

```

-----  
-----

Q Create a table student having attributes(rollno, name, class) containing atleast 5 recodes . Using codeigniter, display all its records.

```

CREATE TABLE student (
rollno INT,
name VARCHAR(30),
class VARCHAR(30)
);
INSERT INTO student VALUES
(1, 'Bob', 'Sophomore'),
(2, 'Tom', 'Senior'),
(3, 'John', 'Freshman'),
(4, 'Emily', 'Junior'),
(5, 'Jordan', 'Senior');
//Codeigniter
$this->db->select('*');
$this->db->from('student');
$query = $this->db->get();
$result = $query->result_array();
foreach ($result as $row)
{
echo $row['rollno'].' '.$row['name'].' '.$row['class'].'<br>';
}

```

-----

Q Write a PHP script to create student.xml file which contains student roll no, name, address, college and course. Print students detail of specific course in tabular format after accepting course as input from user

```

<?php
$course = $_POST['course'];
$xml = new DOMDocument("1.0", "UTF-8");
$xml->formatOutput = true;
$xml_student = $xml->createElement("student");
$xml_student = $xml->appendChild($xml_student);
$xml_rollno = $xml->createElement("rollno", "001");
$xml_rollno = $xml_student->appendChild($xml_rollno);
$xml_name = $xml->createElement("name", "John");
$xml_name = $xml_student->appendChild($xml_name);
$xml_address = $xml->createElement("address", "Bangalore");
$xml_address = $xml_student->appendChild($xml_address);
$xml_college = $xml->createElement("college", "ABC");

```

```

$xml_college = $xml_student->appendChild($xml_college);
$xml_course = $xml->createElement("course", "Computer Science");
$xml_course = $xml_student->appendChild($xml_course);
$xml->save("student.xml");
$xml = simplexml_load_file('student.xml');
echo "<table>";
echo "<tr>";
echo "<th>Roll No</th>";
echo "<th>Name</th>";
echo "<th>Address</th>";
echo "<th>College</th>";
echo "<th>Course</th>";
echo "</tr>";
foreach($xml->children() as $student) {
if($student->course == $course) {
echo "<tr>";
echo "<td>".$student->rollno."</td>";
echo "<td>".$student->name."</td>";
echo "<td>".$student->address."</td>";
echo "<td>".$student->college."</td>";
echo "<td>".$student->course."</td>";
echo "</tr>";
}
}
echo "</table>";
?>

```

-----

Q Write a script to create "cricket.xml" file with multiple elements as shown below:

```

<CricketTeam>
<Team country="Australia">
<player>___</player>
<runs>____</runs>
<wicket>__</wicket>
</Team>
</CricketTeam>

```

Write a script to add multiple elements in "cricket.xml" file of category, country="India"

```

#!/bin/bash
#create xml file

```

```

echo '<CricketTeam>' > cricket.xml
#add elements
echo '<Team country="Australia">' >> cricket.xml
echo '<player>__</player>' >> cricket.xml
echo '<runs>__</runs>' >> cricket.xml
echo '<wicket>__</wicket>' >> cricket.xml
echo '</Team>' >> cricket.xml
#add elements of category, country="India"
echo '<Team country="India">' >> cricket.xml
echo '<player>__</player>' >> cricket.xml
echo '<runs>__</runs>' >> cricket.xml
echo '<wicket>__</wicket>' >> cricket.xml
echo '</Team>' >> cricket.xml
echo '</CricketTeam>' >> cricket.xml

```

-----

Q Create employee table as follows EMP (eno, ename, designation, salary). Write Ajax program to select the employees name and print the selected employee's details.

EmployeeDetails.html

```
<html>
<head>
<script language="javascript" type="text/javascript">
function getEmployeeName()
{
var empName = document.getElementById("txtName").value;
var req = new XMLHttpRequest();
req.onreadystatechange = function()
{
if (this.readyState == 4 && this.status == 200)
{
var empDetails = JSON.parse(this.responseText);
alert("Employee Details-\n\nEmployee No: "+empDetails.eno+"\nEmployee Name:
"+empDetails.ename+"\nDesignation: "+empDetails.designation+"\nSalary:
"+empDetails.salary);
}
};
req.open("GET", "getEmployeeDetails.php?ename="+empName, true);
req.send();
}
</script>
</head>
<body>
Enter employee name: <input type="text" id="txtName" name="txtName" />
<input type="button" value="Get Employee Details" onclick="getEmployeeName()" />
</body>
</html>
getEmployeeDetails.php
<?php
$ename = $_GET['ename'];
$servername = "localhost";
$username = "username";
$password = "password";
$dbname = "myDB";
// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error) {
die("Connection failed: " . $conn->connect_error);
}
$sql = "SELECT eno, ename, designation, salary FROM EMP WHERE ename = '$ename'";
$result = $conn->query($sql);
$row = $result->fetch_assoc();
$empDetails = array('eno' => $row['eno'], 'ename' => $row['ename'],
'designation' =>
$row['designation'], 'salary' => $row['salary']);
echo json_encode($empDetails);
$conn->close();
?>
```

-----

Q Create web Application that contains Voters details and check proper validation for (name, age, and nationality), as Name should be in upper case letters only, Age should not be less than 18 yrs and Nationality should be Indian.(use HTML-AJAX-PHP)



```
}  
}  
?>
```

-----

Q Write a PHP script using AJAX concept, to check user name and password are valid or Invalid (use database to store user name and password).

```
<html>  
<head>  
<script>  
function validateForm()  
{  
let userName = document.forms["myForm"]["user_name"].value;  
let password = document.forms["myForm"]["password"].value;  
if (userName == "" && password == "")  
{  
alert("Username and Password must be filled out");  
return false;  
}  
if (userName == "")  
{  
alert("Username must be filled out");  
return false;  
}  
if (password == "")  
{  
alert("Password must be filled out");  
return false;  
}  
//AJAX Code To Submit Form.  
let xhr;  
if (window.XMLHttpRequest)  
xhr = new XMLHttpRequest();  
else if (window.ActiveXObject)  
xhr = new ActiveXObject("Msxml2.XMLHTTP");  
else  
throw new Error("Ajax is not supported by this browser");  
xhr.open('POST', 'checklogin.php', true);  
xhr.setRequestHeader("Content-type", "application/x-www-form-urlencoded");  
xhr.send("user_name=" + userName + "&password=" + password);  
xhr.onreadystatechange = function () {  
if (xhr.readyState === 4 && xhr.status === 200) {  
let response = JSON.parse(xhr.responseText);  
if(response == "invalid")  
{  
alert("Invalid username or password");  
}  
else  
{  
alert("Login successfully");  
}  
}  
}  
}  
</script>  
</head>  
<body>  
<form name="myForm" action="" onsubmit="return validateForm()" method="post">
```

```

Username: <input type="text" name="user_name">
<br><br>
Password: <input type="password" name="password">
<br><br>
<input type="submit" value="Submit">
</form>
</body>
</html>
<?php
//checklogin.php
$userName = $_POST['user_name'];
$password = $_POST['password'];
//connect to database
$db = new mysqli("localhost", "root", "", "users");
if($db->connect_errno > 0){
die('Unable to connect to database [' . $db->connect_error . ']');
}
$sql = "SELECT * FROM user_data WHERE user_name = '$userName' AND password =
'$password'";
$result = $db->query($sql);
$row = $result->fetch_assoc();
if ($row)
echo json_encode("valid");
else
echo json_encode("invalid");
?>

```

-----

Write a PHP script for the following: Design a form to accept a number from the user. Perform the operations and show the results.

- 1) Fibonacci Series.
- 2) To find sum of the digits of that number.

(Use the concept of self processing page.)

```

Show.html
<html>
<head>
<title>Form for number input</title>
</head>
<body>
<form action="Show.php" method="post">
Enter a number: <input type="text" name="num" />
<input type="submit" name="submit" value="Submit" />
</form>
</body>
</html>
Show.php
<?php
if (isset($_POST['submit'])) {
$num = $_POST['num'];
echo "The Fibonacci Series up to the number $num is: <br>";
$x = 0;
$y = 1;
echo $x.' ' . $y.' ' ;
for($i = 2; $i < $num; $i++)
{
$z = $x + $y;
echo $z.' ' ;

```

```
$x = $y;  
$y = $z;  
}  
echo "<br><br>";  
echo "Sum of the digits of the number $num is: <br>";  
$sum = 0;  
while($num > 0) {  
$sum = $sum + ($num % 10);  
$num = (int)($num/10);  
}  
echo $sum;  
}  
?>
```

-----