



Experiment No - 01

Problem Statement: Design an html form for displaying information using interactive css including images, tables.

Source Code:

```
<!DOCTYPE html>

<html>
<head>

<title> Home Page for NCER</title>

<style>

p {
    color: white;
}

strong {
    color: blue;
    line-height: 3;
}

strong:hover {
    color: red;
}

td {
    width: 50%;
    padding-left: 2rem;
    padding-right: 2rem;
    text-align: center
}
```



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```
        }

    table {

        margin: auto;

    }

</style>

</head>

<body style="text-align : center; background-color: lightblue;">

    <h2 style="color: rgb(33 0 242); line-height:1">PCET's</h2>

    <h1 style="color: rgb(32, 12, 12); line-height:1">NUTAN COLLEGE OF ENGINEERING  
AND RESEARCH, <BR>

        TALEGAON</h1>

    <div style="background-color: rgb(209 203 193);>

        <hr>

        <h2 style="color : red;"><b>Department List :</b></h2>

        <i><strong>FE</strong></i>

        <table>

            <tr>

                <td><a href="cse.html"><i><strong>1. CSE</strong></i></a>

                </td>

                <td>

                    <a href="ai.html"><i><strong>3. AI</strong></i></a>

                </td>

            </tr>

            <tr>

                <td>
```



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```
<a href="E&TC.html"></i><strong>2. E & TC</strong><i></a>  
</td>  
  
<td>  
  
<a href="mech.html"></i><strong>4. MECH</strong><i></a>  
</td>  
  
</table>  
  
<hr>  
  
</div>  
  
</body>  
</html>
```

Practical Related Question

- 1. Write down syntax of CSS and explain in detail different HTML tag used in this problem statement.**
- 2. Write down output of above source code.**

PCET's
**NUTAN COLLEGE OF ENGINEERING AND RESEARCH,
TALEGAON**

Department List :

FE
1. CSE *3. AI*
2. E & TC *4. MECH*



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Experiment No - 02

Problem Statement: Create a webpage with HTML describing your department with following specification:

- a. Change the background color of the page. At the bottom create a link to take user to the top of the page.
- b. Insert an image and create a link such that clicking on image takes user to other page.
- c. Also apply font styling like italics, underline and two other fonts to words you find appropriate. Also use header tags.

Source Code:

```
<!DOCTYPE html>

<html>
<head>
    <title> Webpage for CSE Department</title>
</head>

<body style="text-align : center; background-color: rgb(75, 225, 133);>
<head id="top">
    
    
```



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```
<h2 style="color: rgb(64, 38, 179); line-height:1">PCET's</h2>

<h1 style="color: rgb(96, 83, 169); line-height:1">NUTAN COLLEGE OF
ENGINEERING AND RESEARCH, <BR>

TALEGAON</h1>

</head>

<div style="background-color: wheat;">

<hr>

<a href="home.html" style="float:left;background-color:lightblue;padding:
15px; border: 1px solid; border-radius: 30px; margin:
1rem;"></a>

<br>

<table text-align="center" border="2" style="width:50%; height:100%;border-
collapse:collapse; margin: 3rem
auto" bgcolor="white">

<th colspan=5 style="color: rgb(255, 136, 0);"> COMPUTER SCIENCE AND
ENGINEERING 2021-22</th>

<tr>

<th>CLASS</th>

<th>DIVISION</th>

<th>NO. OF STUDENTS </th>

</tr>

<tr text-align="center">

<td rowspan=2>Second Year (SE)</td>

<td>CSE-A</td>

<td>70</td>

</tr>

<tr text-align="center">

<td>CSE-B</td>
```



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```
<td>83</td>
</tr>
</tr>
<tr text-align="center">
    <td rowspan=2>Third Year (TE)</td>
    <td>CSE-A</td>
    <td>40</td>
</tr>
<tr text-align="center">
    <td>CSE-B</td>
    <td>60</td>
</tr>
</tr>
<tr text-align="center">
    <td rowspan=2>Fourth Year </td>
    <td>CSE-A</td>
    <td>80</td>
</tr>
</table>
<hr>
</div>

<a href="#top"><button
    style="float:right; margin-right:7rem; margin-bottom: 5rem; background-color:wheat; border-radius:20px; height: 2rem; width:5rem; color:black"><strong>GO
    TOP</strong></button></a>
</body>
```



</html>

Practical Related Question

1. explain in detail different HTML tag used in this problem statement.
2. Write down output of above source code.

PCET's

**NUTAN COLLEGE OF ENGINEERING AND RESEARCH,
TALEGAON**

COMPUTER SCIENCE AND ENGINEERING 2021-22		
CLASS	DIVISION	NO. OF STUDENTS
Second Year (SE)	CSE-A	70
	CSE-B	83
Third Year (TE)	CSE-A	40
	CSE-B	60
Fourth Year	CSE-A	80

[GO TOP](#)



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Experiment No – 03

Problem Statement: Write a JavaScript to design a simple calculator to perform the following operations: sum, product, difference and quotient.

Source Code:

```
<!DOCTYPE html>
<html lang="en" dir="ltr">

<head>
    <meta charset="utf-8">
    <title>Simple Calculator using HTML, CSS and JavaScript</title>
    <style>
        .calculator {
            padding: 10px;
            border-radius: 1em;
            height: 380px;
            width: 400px;
            margin: auto;
            background-color: #191b28;
            box-shadow: rgba(0, 0, 0, 0.19) 0px 10px 20px, rgba(0, 0, 0, 0.23)
0px 6px 6px;
        }

        .display-box {
            font-family: 'Orbitron', sans-serif;
            background-color: #dcdbe1;
            border: solid black 0.5px;
            color: black;
            border-radius: 5px;
            width: 100%;
            height: 65%;
        }

        #btn {
            background-color: #fb0066;
        }

        input[type=button] {
            font-family: 'Orbitron', sans-serif;
```



```
background-color: #64278f;
color: white;
border: solid black 0.5px;
width: 100%;
border-radius: 5px;
height: 70%;
outline: none;
}

input:active[type=button] {
background: #e5e5e5;
-webkit-box-shadow: inset 0px 0px 5px #c1c1c1;
-moz-box-shadow: inset 0px 0px 5px #c1c1c1;
box-shadow: inset 0px 0px 5px #c1c1c1;
}
</style>
</head>

<body>

<table class="calculator">
<tr>
    <td colspan="3"> <input class="display-box" type="text" id="result" disabled /> </td>

        <!-- clearScreen() function clears all the values -->
        <td> <input type="button" value="C" onclick="clearScreen()" id="btn" /> </td>
    </tr>
    <tr>
        <!-- display() function displays the value of clicked button -->
        <td> <input type="button" value="1" onclick="display('1')"/>
    </td>
        <td> <input type="button" value="2" onclick="display('2')"/>
    </td>
        <td> <input type="button" value="3" onclick="display('3')"/>
    </td>
        <td> <input type="button" value="/" onclick="display('/')"/>
    </td>
    </tr>
    <tr>
        <td> <input type="button" value="4" onclick="display('4')"/>
    </td>
        <td> <input type="button" value="5" onclick="display('5')"/>
    </td>
```



```
<td> <input type="button" value="6" onclick="display('6')" />
</td>
<td> <input type="button" value="-" onclick="display(' - ')" />
</td>
</tr>
<tr>
    <td> <input type="button" value="7" onclick="display('7')" />
</td>
    <td> <input type="button" value="8" onclick="display('8')" />
</td>
    <td> <input type="button" value="9" onclick="display('9')" />
</td>
    <td> <input type="button" value="+" onclick="display(' + ')" />
</td>
</tr>
<tr>
    <td> <input type="button" value=" ." onclick="display(' . ')" />
</td>
    <td> <input type="button" value="0" onclick="display('0')" />
</td>

        <!-- calculate() function evaluates the mathematical expression -->
        <td> <input type="button" value="=" onclick="calculate()" id="btn" /> </td>
        <td> <input type="button" value="*" onclick="display('*')" />
</td>
</tr>
</table>

<script>
    function clearScreen() {
        document.getElementById("result").value = "";
    }

    // This function display values
    function display(value) {
        document.getElementById("result").value += value;
    }

    // This function evaluates the expression and returns result
    function calculate() {
        var p = document.getElementById("result").value;
        var q = eval(p);
        document.getElementById("result").value = q;
    }
</script>
```



</body>

</html>

Practical Related Question

1. Explain how to define JavaScript function.
2. Write syntax of how to create variables.
3. Explain operational syntax for sum, product, difference and quotient.
4. Write down output of above source code.

The screenshot shows a digital calculator interface within a web browser window. The calculator has a dark gray background and light gray buttons. The display shows the number '13'. The buttons are arranged in four rows: top row has '1', '2', '3', and '/'; second row has '4', '5', '6', and '-'; third row has '7', '8', '9', and '+'; bottom row has '.', '0', '=', and '.+'. The browser's address bar shows the URL '127.0.0.1:5500/text.html'. Below the browser window, there are eight horizontal dashed lines for writing notes.



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Experiment No – 04

Problem Statement: Write a JavaScript to validate the following fields of employee on html form email, name, mobile no., address, salary.

Source Code:

```
<!DOCTYPE html>
```

<html>



```
<head>

    <title> Employee Registration</title>

    <style>

        body {

            background-color: rgba(0, 128, 128, 0.382);

        }

        h1 {

            text-shadow: 0px 0px 22px #00000069;

        }

        footer {

            text-align: center;

        }

        #formDiv h2 {

            text-align: center;

            color: #0095ff;

            line-height: 0.5;

            text-shadow: 7px 5px 20px lightblue;

        }

        form {

            background: linear-gradient(wheat, lightblue);

            width: 30%;

            margin: 0rem auto 0rem auto;

            box-shadow: rgba(0, 0, 0, 0.35)0px 5px 15px;

            border-radius: 10px;

            text-align: left;

            padding: 1rem 3rem 1rem 2rem;

            font-size: 1.2rem;

            line-height: 1.4;

            text-shadow: -7px 0px 26px #1a1a1a;

        }

    </style>

</head>

<body>

    <h1> Employee Registration </h1>

    <form>

        <h2> Enter Your Details </h2>

        <label> First Name </label>

```



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```
color: #007095;

}

input {

    padding: 0.5rem 0rem 0.5rem 0.8rem;

    border: 2px solid lightblue;

    border-radius: 10px;

    margin-bottom: 0.8rem;

    width: 100%;

    box-shadow: rgba(0, 0, 0, 0.35)0px 0px 28px;

}

input[type="submit"] {

    width: 100%;

    color: rgb(117, 117, 117);

    font-size: 1.5rem;

    background-color: wheat;

    border: 2px solid wheat;

    height: 3.5rem;

    border-radius: 8px;

    margin: 1rem auto 1rem auto;

    font-weight: bolder;

    box-shadow: rgba(0, 0, 0, 0.216)0px 0px 28px;

}

input[type="submit"]:hover {

    color: wheat;

    background: white;

}

</style>
```



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```
</head>

<body>

<div id="formDiv">

<form action="#" name="myForm" onsubmit="return validateForm()" method="post">

    <h2><strong>Employee Form</strong></h2>

    First Name :* <input type="text" name="fname" id="fname" required><br>

    Last Name :* <input type="text" name="lname" id="lname" required><br>

    Email :* <input type="email" name="Email" required><br>

    Mobile No. :*<input type="tel" name="MobileNo" id="MobileNo" required><br>

    Permanent Address :*<input type="text" name="Permanent Address" required><br>

    Local Address : <input type="text" name="Local Address" ><br>

    Salary (Rs. per annum):* <input type="text" name="Salary" id="Salary" required><br>

    <input type="submit" name="Submit" value="Submit">

    </form>

</div>

<script>

function validateForm() {

    var fname = document.getElementById('fname');

    var lname = document.getElementById('lname');

    var salary = document.getElementById('Salary');

    var num = document.getElementById('MobileNo');

    if (lettersOnlyCheck(fname) == true && lettersOnlyCheck(lname) == true &&
numbersOnlyCheck(salary) ==

        true &&

        mobNoCheck(num) == true) {

            alert("!!! Form submitted successfully !!!");

            return true;

        } else {
```



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```
        return false;
    }
}

function lettersOnlyCheck(name) {
    var regEx = /^[A-Za-z]+$/;
    if (name.value.match(regEx)) {
        return true;
    } else {
        alert("!!! Please enter letters only in name field !!!");
        return false;
    }
}

function numbersOnlyCheck(salary) {
    var numbers = /^[0-9]+$/;
    if (salary.value.match(numbers)) {
        return true;
    } else {
        alert("!!! Please enter numbers only in salary field !!!");
        return false;
    }
}

function mobNoCheck(num) {
    var numbers = /^[0-9]+$/;
    if (num.value.match(numbers) && (num.value.length == 10)) {
        return true;
    } else {
        alert("!!! Please enter 10 digit number in Mobile No. field !!!");
        return false;
    }
}
```



```
</script>  
  
</body>  
  
</html>
```

Practical Related Question

1. Explain how to create html form using JavaScript for email, name, mobile no., address, salary?
2. Write down output of above source code

The screenshot shows a web browser window with the URL 127.0.0.1:5500/text.html. The main content is a modal dialog titled "Employee Form". Inside the dialog, there are seven input fields: "First Name :*", "Last Name :*", "Email :*", "Mobile No. :*", "Permanent Address :*", "Local Address :*", and "Salary (Rs. per annum):*". Below these fields is a "Submit" button.



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Experiment No – 05

Problem Statement: To Develop and demonstrate a HTML file that includes JavaScript script that uses functions for the following problems:

- a. Parameter: A string Output: Length of the String
 - b. Parameter: A number Output: The number with its digits in the reverse order.

Source Code:

```
<!DOCTYPE html>

<html lang="en">

<head>

<title>String Length & Reverse Integer</title>

<style>

body{

background-color: rgb(6, 6, 22);

}

.container{

background-color: rgb(12, 12, 54);

margin: 4rem auto 5rem auto;

color: white;

width: 40%;

padding: 3rem;
```



```
font-size: large;  
  
border-radius: 20px;  
  
box-shadow: inset 0px 0px 15px white,0px 0px 15px white;  
  
text-shadow: 0px 0px 3px white;  
  
}  
  
input{  
  
border: 1px solid white;  
  
border-radius: 20px;  
  
padding: 0.8rem;  
  
margin: 0rem 1rem;  
  
background-color: rgb(12, 12, 54);  
  
box-shadow: inset 0px 0px 10px rgb(42, 136, 243),0px 0px 10px rgb(42, 136, 243);  
  
color: white;  
  
font-weight: bolder;  
  
font-size: 1rem;  
  
}  
  
button{  
  
border: 1px solid white;  
  
border-radius: 20px;  
  
padding: 0.8rem 2rem;  
  
background-color: rgb(12, 12, 54);  
  
box-shadow: inset 0px 0px 10px rgb(42, 136, 243),0px 0px 10px rgb(42, 136, 243);  
  
color: white;  
  
font-weight: bolder;  
  
font-size: 1rem;  
  
float: right;
```



```
width: 10rem;

}button:hover{
background-color: rgb(42, 136, 243);
box-shadow: 0px 0px 20px rgb(121, 184, 255);
border: 1px solid rgb(42, 136, 243);
}

</style>
</head>
<body>
<div class="container">
<h1>String Length Calculator</h1>
Entre a String:
<input id="str" type="text">
<button onclick="calculate()">CALCULATE</button>
<h2 id="result1"></h2>
</div>
<div class="container">
<h1>Number Reverse</h1>
Entre a Number:
<input id="num" type="text">
<button onclick="reverse()">REVERSE</button>
<h2 id="result2"></h2>
</div>
<SCript>
function calculate() {
```



```
var text = document.getElementById('str').value;  
  
var len = text.length;  
  
document.getElementById('result1').innerHTML = "Length of String is "+len;  
}  
  
function reverse(){  
  
var num = document.getElementById('num').value;  
  
var rev = num.split("").reverse().join("");  
  
document.getElementById('result2').innerHTML = "Reverse of Number is "+rev;  
}  
  
</Script>  
  
</body>  
  
</html>
```

Practical Related Question:

1. Write down syntax of JavaScript script that uses functions.

Such as Length of the String and the number with its digits in the reverse order.

2. Write down output of above source code

The screenshot shows a web browser window with two tabs open. The top tab is titled 'String Length Calculator' and contains a form with an input field containing '1212' and a button labeled 'CALCULATE'. Below the input field, the text 'Length of String is 4' is displayed. The bottom tab is titled 'Number Reverse' and contains a similar form with an input field containing '1212' and a button labeled 'REVERSE'. Below the input field, the text 'Reverse of Number is 2121' is displayed. The browser interface includes standard navigation buttons (back, forward, search) and a toolbar with various icons.



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Experiment No - 06

Problem Statement: Develop and demonstrate a HTML file that includes JavaScript for the following problems:

- a. Input: A starting and ending number
- b. Output: find all the prime numbers between starting and ending number.

Source Code:

```
<!DOCTYPE html>
<html lang="en">

<head>
    <title>Prime no </title>
    <style>
        body {
            background-color: rgb(85, 85, 153);
        }

        .container {
            background-color: rgb(75, 219, 97);
            margin: 4rem auto 5rem auto;
            color: white;
            width: 40%;
            padding: 3rem;
            font-size: large;
            border-radius: 20px;
            box-shadow: inset 0px 0px 10px white, 0px 0px 10px white;
            text-shadow: 0px 0px 3px white;
            text-align: center;
        }

        label {
            float: left;
            line-height: 2;
        }

        input {
            border: 1px solid white;
            border-radius: 20px;
            padding: 0.8rem;
            margin: 1rem;
        }
    </style>
</head>
<body>
    <div class="container">
        <label>Starting Number:</label>
        <input type="text" id="start">
        <label>Ending Number:</label>
        <input type="text" id="end">
        <button type="button" onclick="findPrimes()>Find Prime</button>
        <ul id="primeList">
        </ul>
    </div>
</body>
</html>
```



```
background-color: rgb(253, 253, 255);
box-shadow: inset 0px 0px 10px rgb(42, 136, 243), 0px 0px 10px rgb(42,
136, 243);
color: white;
font-weight: bolder;
font-size: 1rem;
width: 90%;
}

button {
border: 1px solid white;
border-radius: 20px;
padding: 0.8rem 2rem;
background-color: rgb(12, 12, 54);
box-shadow: inset 0px 0px 10px rgb(42, 136, 243), 0px 0px 10px rgb(42,
136, 243);
color: white;
font-weight: bolder;
font-size: 1rem;
margin: 2rem auto 1rem auto;
width: 10rem;
}

button:hover {
background-color: rgb(243, 42, 199);
box-shadow: 0px 0px 40px rgb(121, 184, 255);
border: 1px solid rgb(42, 136, 243);
}

</style>
</head>

<body>
<div class="container">
<h1>Prime No Calculator</h1>
<label for="start">Starting Integer : </label>
<input type="text" id="start">
<br>
<label for="end">Ending Integer : </label>
<input type="text" id="end">
<br>
<button onclick="calculate()">CALCULATE</button>
<h2 id="result"></h2>
</div>
<script>
function calculate() {
    document.getElementById('result').innerHTML += "Prime no. between given
range are : ";
    var s = parseInt(document.getElementById('start').value);
    var e = parseInt(document.getElementById('end').value);
    var temp;
    for (n = s + 1; n < e; n++) {
        var count = 0;
        for (temp = 2; temp < n; temp++) {

```



```
if (n % temp == 0) {  
    count++;  
}  
}  
if (count == 0) {  
    document.getElementById('result').innerHTML += "<br>" + n;  
}  
}  
}  
</script>  
</body>  
  
</html>
```

Practical Related Question

1. Write down output of above source code

The screenshot shows a web browser window with the URL 127.0.0.1:5500/text.html. The page contains a form titled "Prime No. calculator". It has two input fields: "Starting Integer" with value 5 and "Ending Integer" with value 10. Below the inputs is a "CALCULATE" button. To the right of the button, the text "Prime no. between given range are :" is followed by the number 7.

Experiment No – 07

Problem Statement: Write a PHP program to display a digital clock which displays the current time of the server.



Source Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>CLOCK</title>
<style>
body{
background-color: rgb(6, 6, 22);
}
.container{
background-color: rgb(12, 12, 54);
margin: 7rem auto 5rem auto;
color: white;
width: 40%;
padding: 3rem;
font-size: large;
border-radius: 20px;
box-shadow: inset 0px 0px 10px white,0px 0px 10px white;
text-shadow: 0px 0px 3px white;
text-align: center;
font-size: 5rem;
}
</style>
</head>
<body>
<div class="container">
<p><?php
date_default_timezone_set('Asia/Kolkata');
$t=time();
echo (date("h:i:s A"));
?></p>
</div>
</body>
</html>
```

Practical Related Question

- 1. Write down output of above source code**
- 2. Write down syntax for PHP program**



PHP Clock

17:39:13



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Experiment No – 08

Problem Statement: Write a PHP program to implement sign-In and Sign-out functionality.

Source Code:

login.php

```
<?php
    session_start();
    $message="";
    if(count($_POST)>0) {
        $con = mysqli_connect('127.0.0.1:3306','root','','admin') or die('Unable To
connect');
        $result = mysqli_query($con,"SELECT * FROM login_user WHERE user_name='".
$_POST["user_name"] . "' and password = '". $_POST["password"]."')");
        $row = mysqli_fetch_array($result);
        if(is_array($row)) {
            $_SESSION["id"] = $row['id'];
            $_SESSION["name"] = $row['name'];
        } else {
            $message = "Invalid Username or Password!";
        }
    }
    if(isset($_SESSION["id"])){
        header("Location:index.php");
    }
}
```



```
?>
<html>
<head>
<title>User Login</title>
</head>
<body>
<form name="frmUser" method="post" action="" align="center">
<div class="message"><?php if($message!="") { echo $message; } ?></div>
<h3 align="center">Enter Login Details</h3>
    Username:<br>
    <input type="text" name="user_name">
    <br>
    Password:<br>
    <input type="password" name="password">
    <br><br>
    <input type="submit" name="submit" value="Submit">
    <input type="reset">
</form>
</body>
</html>
```

index.php

```
<?php
session_start();
?>
<html>
<head>
<title>User Login</title>
</head>
<body>

<?php
if($_SESSION["name"]) {
?>
Welcome <?php echo $_SESSION["name"]; ?>. Click here to <a href="logout.php"
title="Logout">Logout.
<?php
} else echo "<h1>Please login first .</h1>";
?>
</body>
</html>
```

logout.php

```
<?php
session_start();
unset($_SESSION["id"]);
unset($_SESSION["name"]);
header("Location:login.php");
?>
```



Practical Related Question

1. Explain sign-In and Sign-out functionality using PHP programming.
2. Write down output of above source code

Logout'. The browser window has standard navigation buttons at the top."/>



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Experiment No – 09

Problem Statement: Write a PHP program to keep track of the number of visitors visiting the Web page and to display this count of visitors, with proper headings.



Source Code :

```
<?php
echo "<h1> REFRESH PAGE </h1>" ;
$file = 'count.txt' ;
$c = file_get_contents($file) ;
file_put_contents($file, $c+1);
echo "The number of users visited : ".$c ;
?>
```

Practical Related Question

1. Write down output of above source code

REFRESH PAGE

The number of users visited : 3

Experiment No – 10

Problem Statement: Write a PHP code to implement AJAX functionality.



Source Code:

```
<!DOCTYPE html>
<html>
<head>
<script>
function showHint(str) {
    if (str.length == 0) {
        document.getElementById("txtHint").innerHTML = "";
        return;
    } else {
        var xmlhttp = new XMLHttpRequest();
        xmlhttp.onreadystatechange = function() {
            if (this.readyState == 4 && this.status == 200) {
                document.getElementById("txtHint").innerHTML = this.responseText;
            }
        }
        xmlhttp.open("GET", "gethint.php?q="+str, true);
        xmlhttp.send();
    }
}
</script>
</head>
<body>

<p><b>Start typing a name in the input field below:</b></p>
<form action="">
    <label for="fname">First name:</label>
    <input type="text" id="fname" name="fname" onkeyup="showHint(this.value)">
</form>
<p>Suggestions: <span id="txtHint"></span></p>

</body>
</html>
```

Practical Related Question

- 1. Explain how to implement AJAX functionality of PHP programming.**
- 2. Write down output of above source code**



Start typing a name in the input field below:

First name:

Suggestions: Ophelia



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Experiment No – 11

Problem Statement: Write a PHP program to perform search operation on the student records using AJAX.

Source Code:

```
<!DOCTYPE html>

<html>
<head>
<script>

var request=new XMLHttpRequest();

function searchInfo(){
var name=document.vinform.name.value;
var url="index.jsp?val="+name;

try{
request.onreadystatechange=function(){

if(request.readyState==4){

var val=request.responseText;

document.getElementById('mylocation').innerHTML=val;
SEMINAR-II
```



```
}

}//end of function

request.open("GET",url,true);

request.send();

}catch(e){alert("Unable to connect to server");}

}

</script>

</head>

<body>

<h1>Search Employee</h1>

<form name="vinform">

<input type="text" name="name" onkeyup="searchInfo()">

</form>

<span id="mylocation"></span>

</body>

</html>

index.jsp

<%@ page import="java.sql.*" %>

<%

String name=request.getParameter("val");

if(name==null||name.trim().equals("")){

out.print("<p>Please enter name!</p>");

}else{

try{

Class.forName("oracle.jdbc.driver.OracleDriver");
```



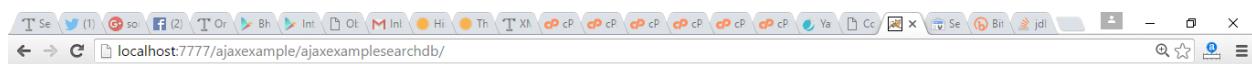
```
Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","oracle");
PreparedStatement ps=con.prepareStatement("select * from emp911 where name like
' "+name+"%'");

ResultSet rs=ps.executeQuery();

if(!rs.isBeforeFirst()) {
    out.println("<p>No Record Found!</p>");
}else{
    out.print("<table border='1' cellpadding='2' width='100%'>");
    out.print("<tr><th>Id</th><th>Name</th><th>Email</th>
<th>Address</th><th>City</th><th>State</th><th>Country</th></tr>");
    while(rs.next()){
        out.print("<tr><td>"+rs.getString(1)+"</td><td>"+rs.getString(2)+"</td><td>"+rs.getString(3)+"</td>
<td>"+rs.getString(4)+"</td><td>"+rs.getString(5)+"</td><td>"+rs.getString(6)+"</td>
<td>"+rs.getString(7)+"</td></tr>");
    }
    out.print("</table>");
}//end of else for rs.isBeforeFirst
con.close();
}catch(Exception e){out.print(e);}
}//end of else
%>
```

Practical Related Question

1. Write down output of above source code



Search Employee

S	Id	Name	Email	Address	City	State	Country
1	Sarfraz	sarfraz@gmail.com	A-21, Lohia Nagar	Mujaffar Pur	Bihar	India	
2	Somesh	somesh@gmail.com	RKGIT	Ghaziabad	UP	India	
5	Sonoo Jaiswal	sonoo@gmail.com	5/000	Vaishali	Ghaziabad	India	

Experiment No – 12

Problem Statement: Write a PHP program to sort the student records which are stored in the database using ascending/descending order.

Source Code:

```
<!DOCTYPE html>

<html>
<body>

<?php
$servername = "localhost";
$username = "username";
$password = "password";
$dbname = "myDB";

// Create connection
```



```
$conn = mysqli_connect($servername, $username, $password, $dbname);

// Check connection

if (!$conn) {

    die("Connection failed: " . mysqli_connect_error());

}

$sql = "SELECT id, firstname, lastname FROM MyGuests ORDER BY lastname";

$result = mysqli_query($conn, $sql);

if (mysqli_num_rows($result) > 0) {

    // output data of each row

    while($row = mysqli_fetch_assoc($result)) {

        echo "id: " . $row["id"] . " - Name: " . $row["firstname"] . " " .
$row["lastname"]. "<br>";

    }

} else {

    echo "0 results";

}

mysqli_close($conn);

?>

</body>

</html>
```

Practical Related Question

1. Write down output of above source code



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ID	Name
1	John Doe
3	Julie Dooley
2	Mary Moe