GR20 Regulations

II B.Tech I Semester

Scripting Languages Lab

(GR20A2071)

Department of Computer Science and Engineering
(Artificial Intelligence and Machine Learning)

GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

SYLLABUS

Gokaraju Rangaraju Institute of Engineering and Technology
Scripting Languages Lab

Course code: GR20A2071 **L:0 T:0 P:4 C:2**

Course Objectives:

- Classify the client-side and server-side programming works on the web.
- Apply JavaScript and develop real time applications.
- Analyze the use of PHP-based scripting to experiment on web application.
- Identify the processing of data in MySQL database.
- Learn how to use AJAX programming in PHP to make faster web pages.

Course Outcomes:

At the end of the course, the student will be able to

- Design JavaScript applications for day to day activities.
- Implement web application using PHP.
- Design, debug and run complete web applications using PHP and MYSQL.
- Build web applications using JavaScript and AJAX programming.
- Develop web application to retrieve data from database using AJAX.

TASK 1

a. Write a JavaScript code to edit a paragraph text on a button click.
b. Insert an image in HTML page using image tag. Define a JavaScript code to change image on a button click.

TASK 2

Create a sample form program that collects the first name, last name, email, user id, and password and confirms password from the user. All the inputs are mandatory and email address entered should be incorrect format. Also, the values entered in the password and confirm password textboxes should be the same. After validating using JavaScript, Report error messages in red color just next to the textbox where there is an error.

TASK 3

Design a simple multiplication table using JavaScript asking the user the number of rows and columns as user wants to print.

TASK 4

Develop a To-Do List application using JavaScript. Implement CSS when needed to judge the outlook of To-Do list

TASK 5

Implement PHP script for the following.

a. Find the factorial of a number (while loop)

b. To reverse the digit (Use do while)

c. Find the sum of the digits (Use for loop)

d. Write a PHP script for the following: Design a form to accept the details of 5different items, such as item code, item name, units sold, and rate. Display the bill in the tabular format. Use only 4 text boxes.

(Hint: Use of explode function.)

e. Assume an array with different values. Print only unique values from the array.

TASK 6

a. Create a login form with a username and password. Once the user logs in, the second form should be displayed to accept user details (name, city, phone no). If the user doesn't enter information within a specified time limit, expire his session and give a warning

b. Write a PHP script to store, retrieve and delete data cookies values.

TASK 7

Design a PHP application for

a. Organize a database table with user information like username, password and other required information.

b. Design a registration page and insert the data into created database table.

c. Design a login page and authenticate the user to display home page or else login error.

TASK 8

a. Examine and write a PHP script for updating required user information in the database.

b. Write a PHP script for deleting a specified user from the database.

TASK 9

Execute a PHP script to store, retrieve and delete session data using session variables. Example of Displaying username across all the pages from the time user login till user logout from the application.(using sessions)

TASK 10

Create a simple XML Http Request and retrieve data from a text file.

TASK 11

Create an AJAX application to retrieve the contents of PHP file.

Example: Consider a webpage with textbox to search for a name, as the user enter a character, the application should display all the suggested names with that character, if no match display no suggests message.

TASK 12

Develop an AJAX application to retrieve the contents of database.

Example: Consider a webpage with a dropdown list of set of names, as user selects a name the application should be able to display selected user personal information (username, Phone number, Email-id, Place) in a table. When user selects other name, other user information should be displayed without reloading the page.

Text Books/ References:

1. Beginning PHP and MySQL 3rd Edition W. Jason Gilmoren - Third Edition, Apress publications

2. Beginning JavaScript with DOM scripting and AJAX: From Novice to Professional by Christian Heilmann

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TASK 1

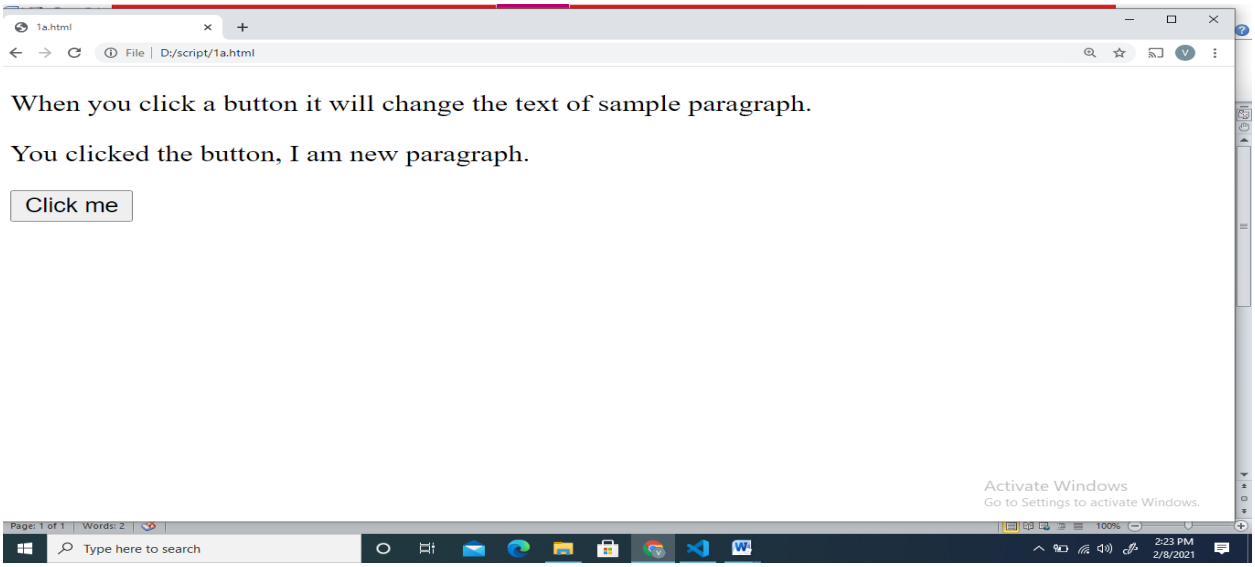
Task 1(a): Write a JavaScript code to edit a paragraph text on a button click.

Aim: Write a JavaScript code to edit a paragraph text on a button click.

Program:

```
<!DOCTYPE html>
<html>
<body>
<p>When you click a button it will change the text of sample paragraph.</p>
<p id="demo">I am sample paragraph.</p>
<button onclick="change_text()">Click me</button>
<script>
functionchange_text(){
document.getElementById("demo").innerHTML = "You clicked the button, I am new paragraph.";
}
</script>
</body>
</html>
```

Output:



Task 1(b): Insert an image in HTML page using image tag. Define a JavaScript code to change image on a button click.

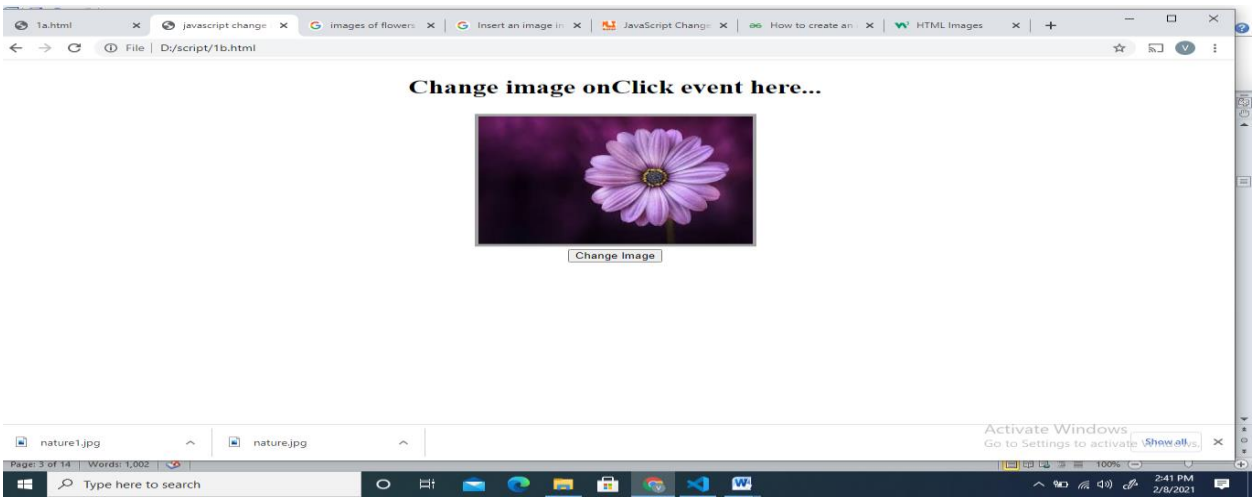
Aim: Insert an image in HTML page using image tag. Define a JavaScript code to change image on a button click.

Program:

```
<!DOCTYPE html>
<html>
<head>
 <title>javascript change image onclick event
</title>
<style type="text/css">
 h2 {
text-align: center;
font-size: 30px;
 }
 img#getImage {
width: 300px;
height: auto;
border: 4px solid #a1a1a1;
 }
 div {
text-align: center;
 }
</style>
</head>
<body>
 <div>
 <h2>Change image onClick event here...</h2>
```

```
 <imgsrc="nature1.jpg" id="getImage">
</div>
<div>
<input type="button" onclick="imagefun()" value="Change Image">
</div>
<script>
functionimagefun() {
varImage_Id = document.getElementById('getImage');
if (Image_Id.src.match("imageName1.jpg")) {
Image_Id.src = "nature1.jpg";
        }
else {
Image_Id.src = "nature.jpg";
        }
    }
</script>
</body>
</html>
```

Output:



TASK 2

Task 2: Create a sample form program that collects the first name, last name, email, user id, and password and confirms password from the user. All the inputs are mandatory and email address entered should be in correct format. Also, the values entered in the password and confirm password textboxes should be the same. After validating using JavaScript, Report error messages in red color just next to the textbox where there is an error.

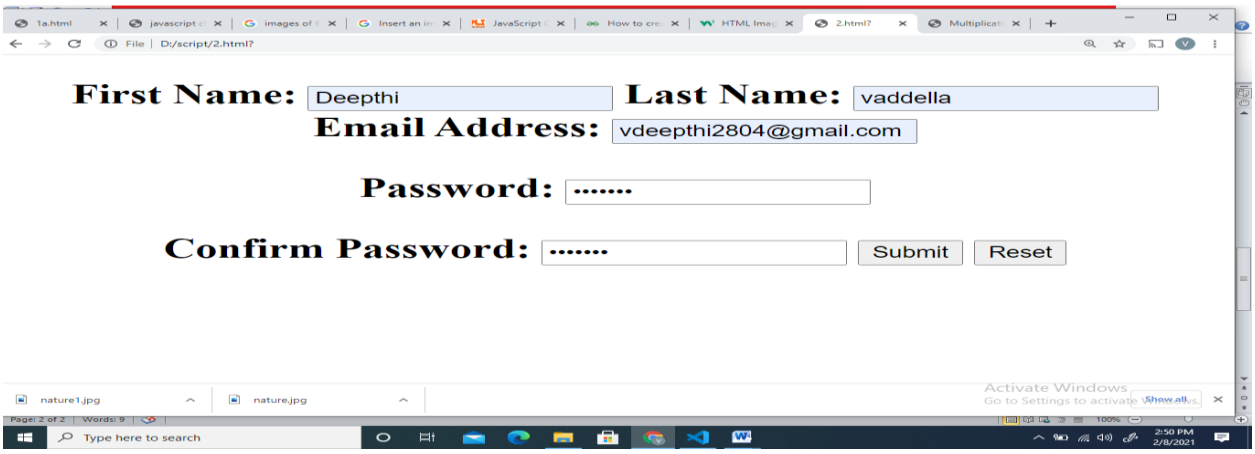
Aim: Create a sample form program that collects the first name, last name, email, user id, and password and confirms password from the user. All the inputs are mandatory and email address entered should be in correct format. Also, the values entered in the password and confirm password textboxes should be the same. After validating using JavaScript, Report error messages in red color just next to the textbox where there is an error.

Program:

```
<!DOCTYPE html>
<html>
   <head>
      <script type='text/JavaScript'>
         functionpass Validate()
         {
            var pass = document.getElementById("pass").value;
            varcpass = document.getElementById("cpass").value;
            if(pass == cpass)
               {
                  console.log("4");

                  document.getElementById("e2").innerText = " ";
                }
               else
                {
                  console.log("5");
                  document.getElementById("e2").style.color = "red";
                  document.getElementById("e2").innerText = "Password Mismatch ";
               }
         }

         functionemailValidate()
         {
            varemailId = document.getElementById("emailId").value;
            console.log("1");
             var regex = /^\w+([-.]?\w+)*@\w+([-.]?\w+)*\.\w+([-.]\w+)*$/;
            if( regex.test(emailId))
            {
```

```
            console.log("2");
            document.getElementById("e1").innerText = " ";
          }
          else
          {

            console.log("3");
            document.getElementById("e1").style.color = "red";
            document.getElementById("e1").innerText = "Incorrect Email Id ";
          }
        }
    </script>
  </head>
  <body>
    <h2>
    <center>
      <form name="f">
          First Name: <input type="text" id="fname" >
          Last Name: <input type="text" id="lname" >
          Email Address: <input type="text" id="emailId"  onkeyup="emailValidate()" >
      <p id="e1"></p>
          Password: <input type="password" id="pass" ><p id="e2"></p>
          Confirm Password: <input type="password" id="cpass" onkeyup="passValidate()" >
          <input type="submit"   >
           <input type="reset" >
       </form>
     </center>
      </h2>
  </body>
</html>
```

Output:



TASK 3

Task 3: Design a simple multiplication table using JavaScript asking the user the number of rows and columns as user wants to print.

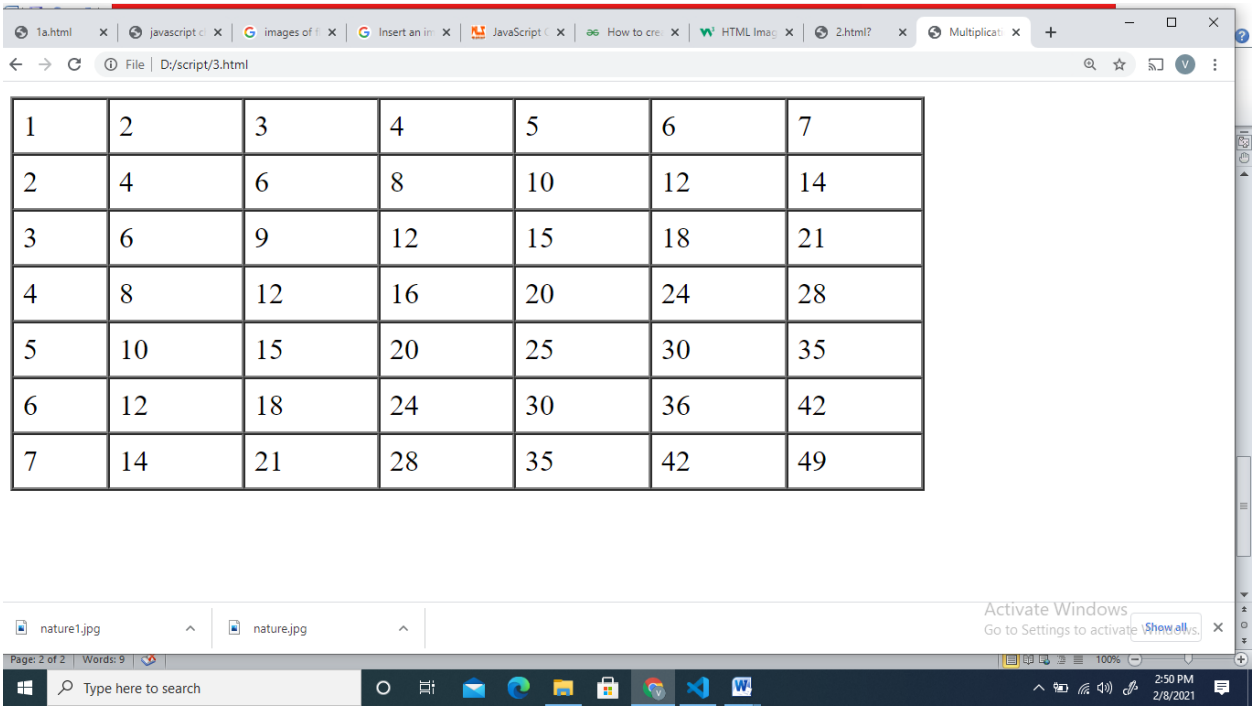
Aim: Design a simple multiplication table using JavaScript asking the user the number of rows and columns as user wants to print.

Program:

```
<html>
<head>
<title>Multiplication Table</title>
<script type="text/javascript">
var rows = prompt("How many rows for your multiplication table?");
var cols = prompt("How many columns for your multiplication table?");
if(rows == "" || rows == null)
                rows = 10;
if(cols== "" || cols== null)
                cols = 10;
createTable(rows, cols);
functioncreateTable(rows, cols)
   {
var j=1;
var output = "<table border='1' width='500' cellspacing='0'cellpadding='5'>";
for(i=1;i<=rows;i++)
     {
      output = output + "<tr>";
while(j<=cols)
       {
                output = output + "<td>" + i*j + "</td>";
                 j = j+1;
                }
                output = output + "</tr>";
                 j = 1;
   }
```

```
    output = output + "</table>";
    document.write(output);
       }
    </script>
    </head>
    <body>
    </body>
</html>
```

Output:



TASK 4

Task 4: Develop a To-Do List application using JavaScript. Implement CSS when needed to judge the outlook of To-Do list.

Aim: Develop a To-Do List application using JavaScript. Implement CSS when needed to judge the outlook of To-Do list.

Program:

```
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<style>
body {
margin: 0;
min-width: 250px;
}

/* Include the padding and border in an element's total width and height */
* {
box-sizing: border-box;
}

/* Remove margins and padding from the list */
ul {
margin: 0;
padding: 0;
}

/* Style the list items */
ul li {
cursor: pointer;
position: relative;
padding: 12px 8px 12px 40px;
```

```
list-style-type: none;
background: #eee;
font-size: 18px;
transition: 0.2s;

  /* make the list items unselectable */
  -webkit-user-select: none;
  -moz-user-select: none;
  -ms-user-select: none;
user-select: none;
}

/* Set all odd list items to a different color (zebra-stripes) */
ulli:nth-child(odd) {
background: #f9f9f9;
}

/* Darker background-color on hover */
ulli:hover {
background: #ddd;
}

/* When clicked on, add a background color and strike out text */
ulli.checked {
background: #888;
color: #fff;
text-decoration: line-through;
}

/* Add a "checked" mark when clicked on */
ulli.checked::before {
content: ';
```

```
position: absolute;
border-color: #fff;
border-style: solid;
border-width: 0 2px 2px 0;
top: 10px;
left: 16px;
transform: rotate(45deg);
height: 15px;
width: 7px;
}

/* Style the close button */
.close {
position: absolute;
right: 0;
top: 0;
padding: 12px 16px 12px 16px;
}

.close:hover {
background-color: #f44336;
color: white;
}

/* Style the header */
.header {
background-color: #f44336;
padding: 30px 40px;
color: white;
text-align: center;
}
```

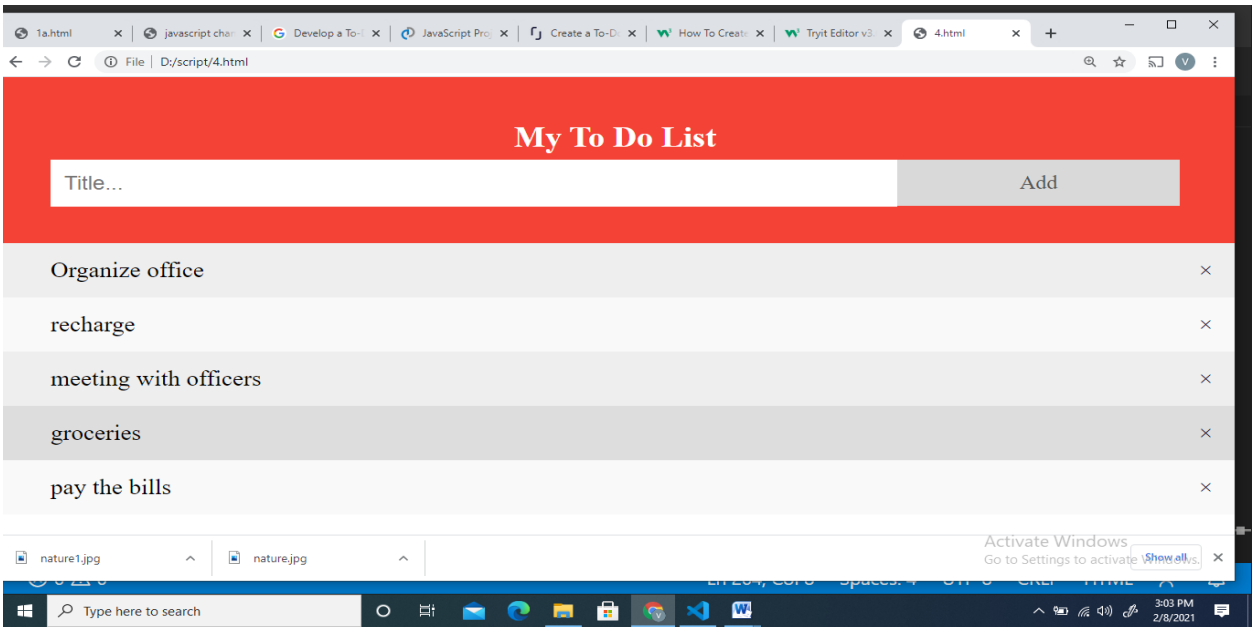
```
/* Clear floats after the header */
.header:after {
content: "";
display: table;
clear: both;
}

/* Style the input */
input {
margin: 0;
border: none;
border-radius: 0;
width: 75%;
padding: 10px;
float: left;
font-size: 16px;
}

/* Style the "Add" button */
.addBtn {
padding: 10px;
width: 25%;
background: #d9d9d9;
color: #555;
float: left;
text-align: center;
font-size: 16px;
cursor: pointer;
transition: 0.3s;
border-radius: 0;
}
```

```
.addBtn:hover {
background-color: #bbb;
}
</style>
</head>
<body>
<div id="myDIV" class="header">
<h2 style="margin:5px">My To Do List</h2>
<input type="text" id="myInput" placeholder="Title...">
<span onclick="newElement()" class="addBtn">Add</span>
</div>
<ul id="myUL">
<li>Hit the gym</li>
<li class="checked">Pay bills</li>
<li>Meet George</li>
<li>Buy eggs</li>
<li>Read a book</li>
<li>Organize office</li>
</ul>
<script>
// Create a "close" button and append it to each list item
varmyNodelist = document.getElementsByTagName("LI");
var i;
for (i = 0; i <myNodelist.length; i++) {
var span = document.createElement("SPAN");
var txt = document.createTextNode("\u00D7");
span.className = "close";
span.appendChild(txt);
myNodelist[i].appendChild(span);
}
// Click on a close button to hide the current list item
var close = document.getElementsByClassName("close");
```

```
var i;
for (i = 0; i <close.length; i++) {
close[i].onclick = function() {
var div = this.parentElement;
div.style.display = "none";
  }
}

// Add a "checked" symbol when clicking on a list item
var list = document.querySelector('ul');
list.addEventListener('click', function(ev) {
if (ev.target.tagName === 'LI') {
ev.target.classList.toggle('checked');
  }
}, false);

// Create a new list item when clicking on the "Add" button
functionnewElement() {
var li = document.createElement("li");
varinputValue = document.getElementById("myInput").value;
var t = document.createTextNode(inputValue);
li.appendChild(t);
if (inputValue === '') {
alert("You must write something!");
  } else {
document.getElementById("myUL").appendChild(li);
  }
document.getElementById("myInput").value = "";
var span = document.createElement("SPAN");
var txt = document.createTextNode("\u00D7");
span.className = "close";
span.appendChild(txt);
```

```
    li.appendChild(span);
    for (i = 0; i <close.length; i++) {
    close[i].onclick = function() {
    var div = this.parentElement;
    div.style.display = "none";
       }
     }
    }
    </script>
    </body>
</html>
```

Output:



TASK 5

Task 5(a): Find the factorial of a number (while loop)

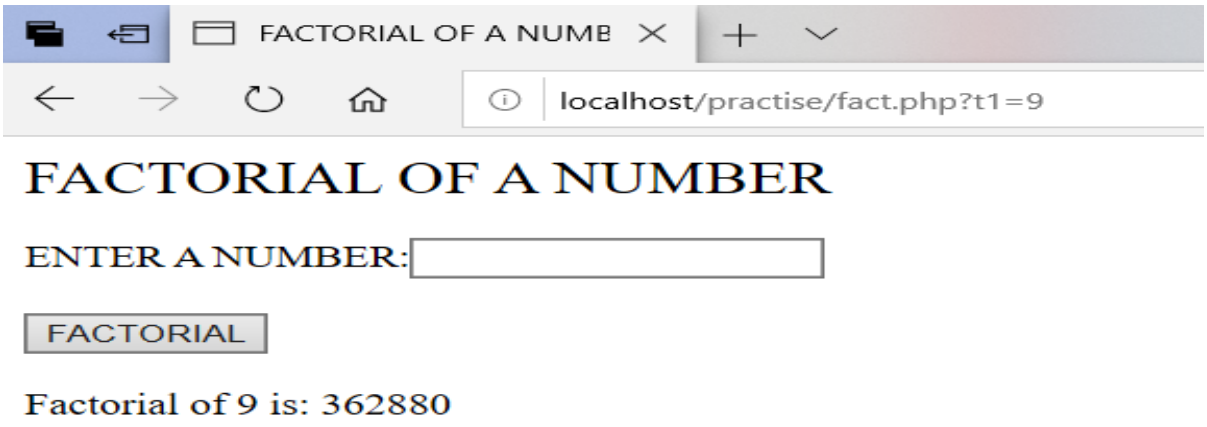
Aim: Find the factorial of a number (while loop)

Program:

```
<html>
<head>
<title>FACTORIAL OF A NUMBER</title>
</head>
<body>
<font size=5>FACTORIAL OF A NUMBER</font>
<br>
<br/>
<form action=fact.php method="get">
ENTER A NUMBER:<input type="text" name="t1"><br><br>
<input type="submit" value="FACTORIAL">
<?php
if(isset($_GET["t1"]))
{
$n=$_GET["t1"];
$fact=1;
echo "<br>
<br>";
echo "Factorial of $n is: ";
while($n>0)
{
$fact=$fact*$n;
$n--;
}
echo "$fact";
}
?>
</form>
</body>
```

</html>

Output:


FACTORIAL OF A NUMB
localhost/practise/fact.php?t1=9
FACTORIAL OF A NUMBER
ENTER A NUMBER:
FACTORIAL
Factorial of 9 is: 362880

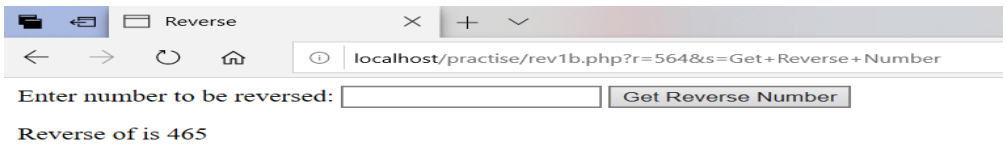
Task 5(b): To reverse the digit (Use do while)

Aim: To reverse the digit (Use do while)

Program:

```
<html>
<title>Reverse</title>
<body>
<form name="frm3" method="GET" action="rev1b.php">
Enter number to be reversed:
<input type='text' name='r'>
<input type='submit' name='s' value='Get Reverse Number'>
</form>
<?php
if(isset($_GET['s']))
{
$x=$_GET['r'];
$s=0;
do
{
$r1=$x%10;
$s=($s*10)+$r1;
$x=(int)($x/10);
}
while($x>0);
print("\n Reverse of is ".$s);
}
?>
</body>
</html>
```

Output:



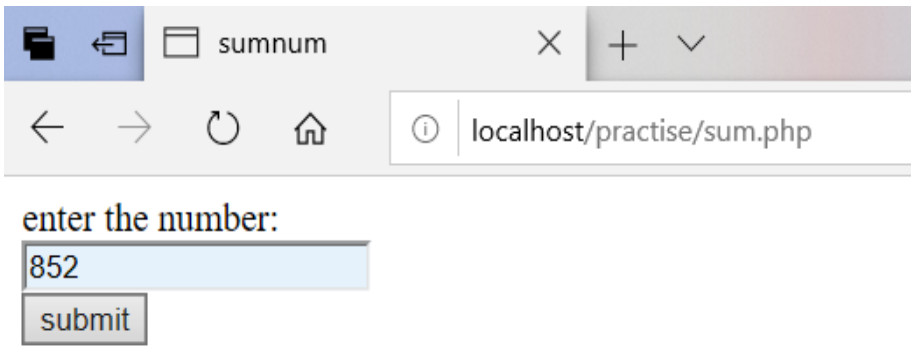
Task 5(c): Find the sum of the digits (Use for loop)

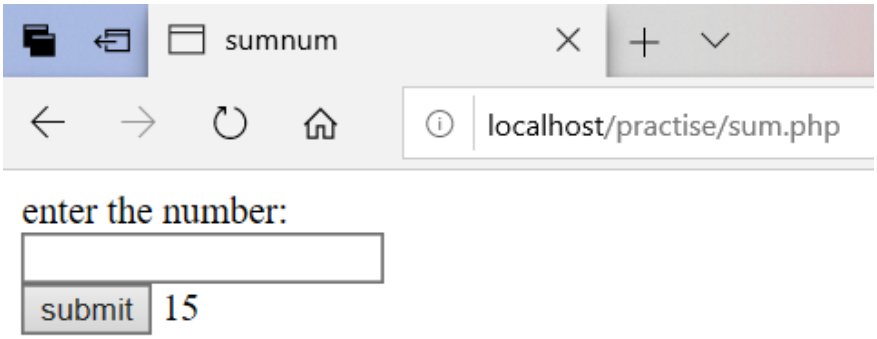
Aim: Find the sum of the digits (Use for loop)

Program:

```
<html>
<head>
<title>sumnum</title>
</head>
<body>
<?php
$sum=0;
$rem=0;
$num=$_POST['t1'];
if(isset($_POST['s1']))
{
for ($i =0; $i<=strlen($num);$i++)
{
$rem=$num%10;
$sum = $sum + $rem;
$num=$num/10;
}
}
echo "$sum";
?>
<form name="my form" action="sum.php" method="POST">
enter the number:<br>
<input type="text" name="t1"><br>
<input type="submit" value="submit" name="s1">
</form>
</body>
</html>
```

Output:


sumnum
localhost/practise/sum.php
enter the number:
852
submit


sumnum
localhost/practise/sum.php
enter the number:
submit
15

Task 5(d): Write a PHP script for the following: Design a form to accept the details of 5different items, such as item code, item name, units sold, and rate. Display the bill in the tabular format. Use only 4 text boxes. (Hint: Use of explode function.)

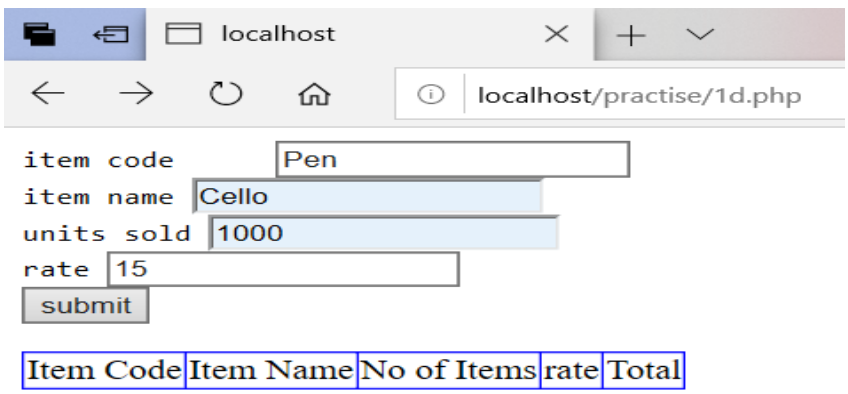
Aim: Write a PHP script for the following: Design a form to accept the details of 5different items, such as item code, item name, units sold, and rate. Display the bill in the tabular format. Use only 4 text boxes. (Hint: Use of explodefunction.)

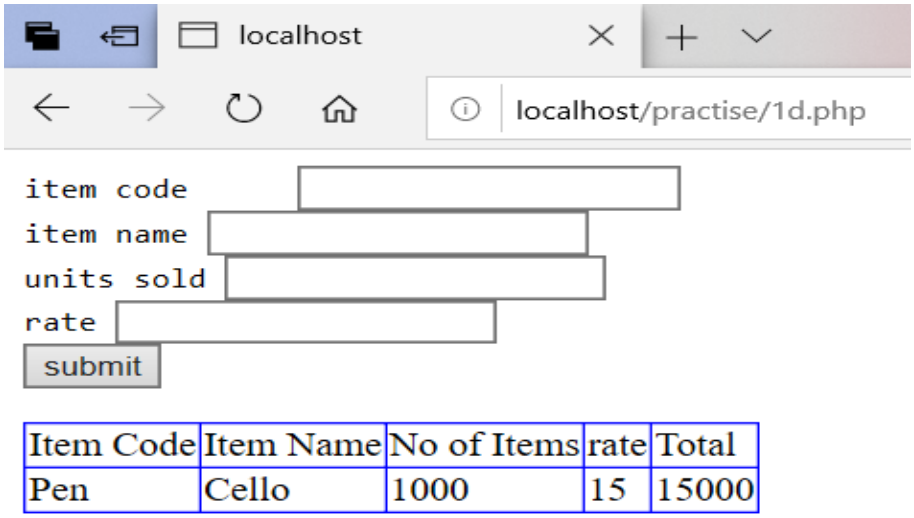
Program:

```
<html>
<head>
<style>
table {
border-collapse: collapse;
}
table, th, td {
border: 1px solid blue;
}
</style>
</head>
<body>
<form method="post" action="<?php echo $_SERVER['PHP_SELF']; ?>">
<pre>
item code<input type="text" name="itemcode" />
item name<input type="text" name="itemname" />
units sold<input type="text" name="unitssold" />
rate<input type="text" name="rate" />
<input type="submit" name='Submit' value="submit"/>
</pre>
</form>
<table>
<tr>
<td> Item Code</td>
<td> Item Name</td>
```

```
<td>No of Items</td>
<td>rate</td>
<td> Total </td>
</tr>
<?php
if(isset($_POST['Submit']))
{
$itemcode=$_POST['itemcode'];
$itemname=$_POST['itemname'];
$unitssold=$_POST['unitssold'];
$rate=$_POST['rate'];
$total = $unitssold*$rate;
?>
<tr>
<td><?php echo $itemcode?></td>
<td><?php echo $itemname?></td>
<td><?php echo $unitssold?></td>
<td><?php echo $rate?></td>
<td><?php echo $total?></td>
</tr>
</table>
<?php
}
?>
```

Output:





Item Code	Item Name	No of Items	rate	Total
Pen	Cello	1000	15	15000

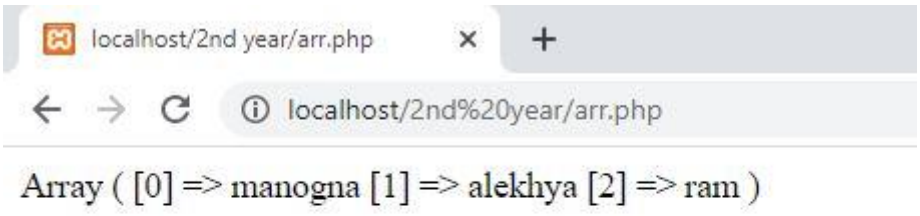
Task 5(e): Assume an array with different values. Print only unique values from the array.

Aim: Assume an array with different values. Print only unique values from the array.

Program:

```
<?php
$x=array();
$x[0]="manogna";
$x[1]="alekhya";
$x[2]="ram";
$x[3]="ram";
$y=array_unique($x);
print_r($y);
```

Output:



TASK 6

Task 6(a): Create a login form with a username and password. Once the user logs in, the second form should be displayed to accept user details (name, city,phoneno). If the user doesn't enter information within a specified time limit, expire his session and give a warning

Aim: Create a login form with a username and password. Once the user logs in, the second form should be displayed to accept user details (name, city,phoneno). If the user doesn't enter information within a specified time limit, expire his session and give a warning

Program:

```
<html>
<body>
<form action="2a1.php" method="post">
<center>
<h2> Enter Username : <input type="text" name="name"></h2>
<h2> Enter Password : <input type="password" name="pwd"></h2>
<input type="submit" value="Login">
</center>
</form>
</body>
</html>
```

2a1.php

```
<?php
session_start();
$t=date("1,d-m-y h:i:s",time()+10);
if($_REQUEST['name']=='xyz'&& $_REQUEST['pwd']=='xyz')
{
```

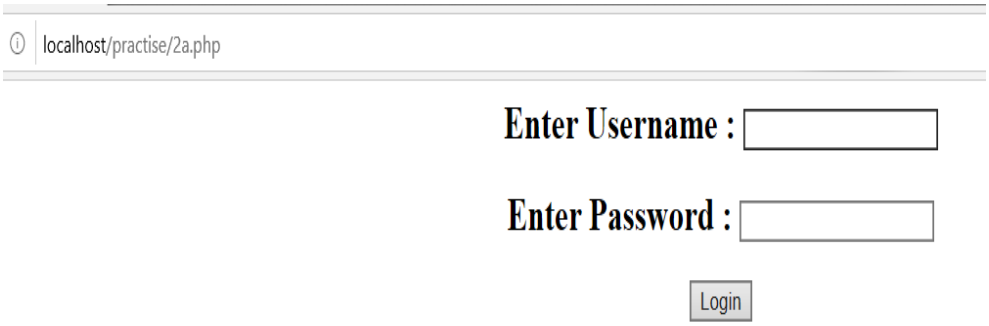
```
?>
<html>
<body>
<h1><u><center>enterur details</center></u></h1>
<form action="2a2.php" method=get>
<input type='hidden' name='etime' value="<?php echo $t?>">
<h2> Enter Name : <input type=textbox name=uname></h2><br>
<h2> Enter City : <input type=textbox name=city></h2><br>
<h2> Enter Phone No : <input type=textbox name=pno></h2><br>
<input type=submit name=submit value=DISPLAY>
</form>
</body>
</html>
<?php
}
else echo "<center><h1>Invalid Username Or Password</h1></center>"
?>
```

2a2.php

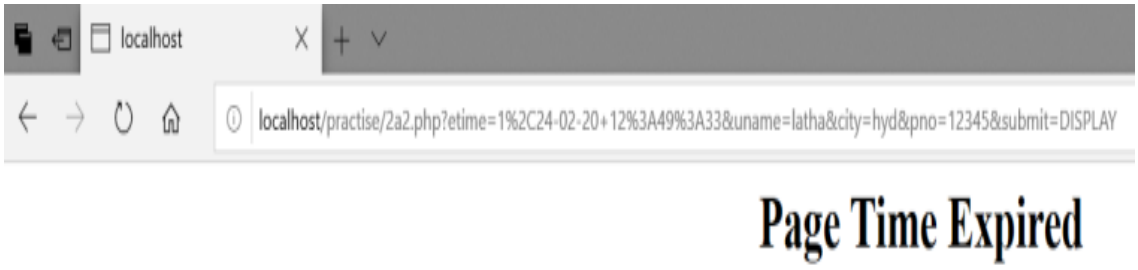
```
<?php
session_start();
$t=$_REQUEST['etime'];
$exp=date("1,d-m-y h:i:s",time());
if($t<$exp)
echo "<center><h1>Page Time Expired</h1></center>";
else
{
```

```
echo "<center><h2>Name : ".$_REQUEST['uname']."</h2></center>";
echo "<center><h2>City : ".$_REQUEST['city']."</h2></center>";
echo "<center><h2>Phone NO : ".$_REQUEST['pno']."</h2></center>";
session_destroy();
}
?>
```

Output:




localhost
localhost/practise/2a1.php
enter ur details
Enter Name : latha
Enter City : hyd
Enter Phone No : 12345
DISPLAY


localhost
localhost/practise/2a2.php?etime=1%2C24-02-20+12%3A49%3A33&uname=latha&city=hyd&pno=12345&submit=DISPLAY
Page Time Expired

Task 6(b): Write a PHP script to store, retrieve and delete data cookies values

Aim: Write a PHP script to store, retrieve and delete data cookies values

Program:

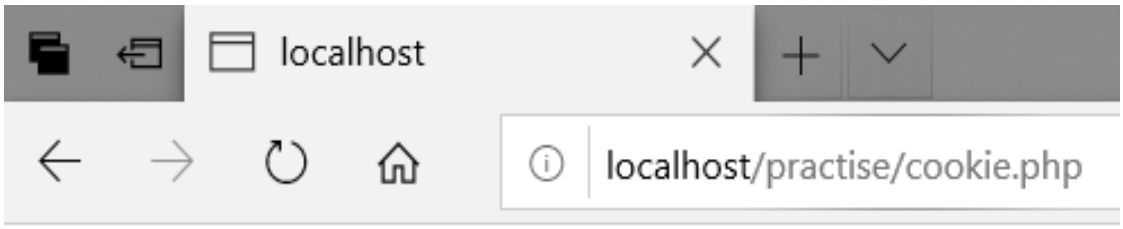
cookie.php

```
<?php
setcookie("user","sonuu", time()+2*24*60*60);
?>
<html>
<body>
<?php
if(!isset($_COOKIE["user"])) {
echo "Sorry, cookie is not found!";
} else {
echo "<br/>Cookie Value: " . $_COOKIE["user"];
}
?>
</body>
</html>
```

cookiedel.php

```
<?php
setcookie("user", "Sonoo", time()-60);
?>
```

Output:



Cookie Value: sonuu

TASK 7

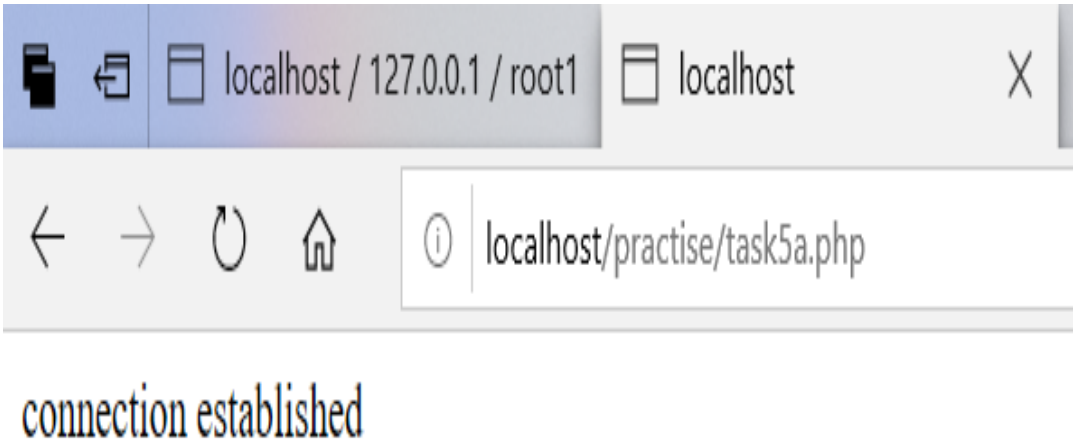
Task 7(a): Organize a database table with user information like username, password andother required information.

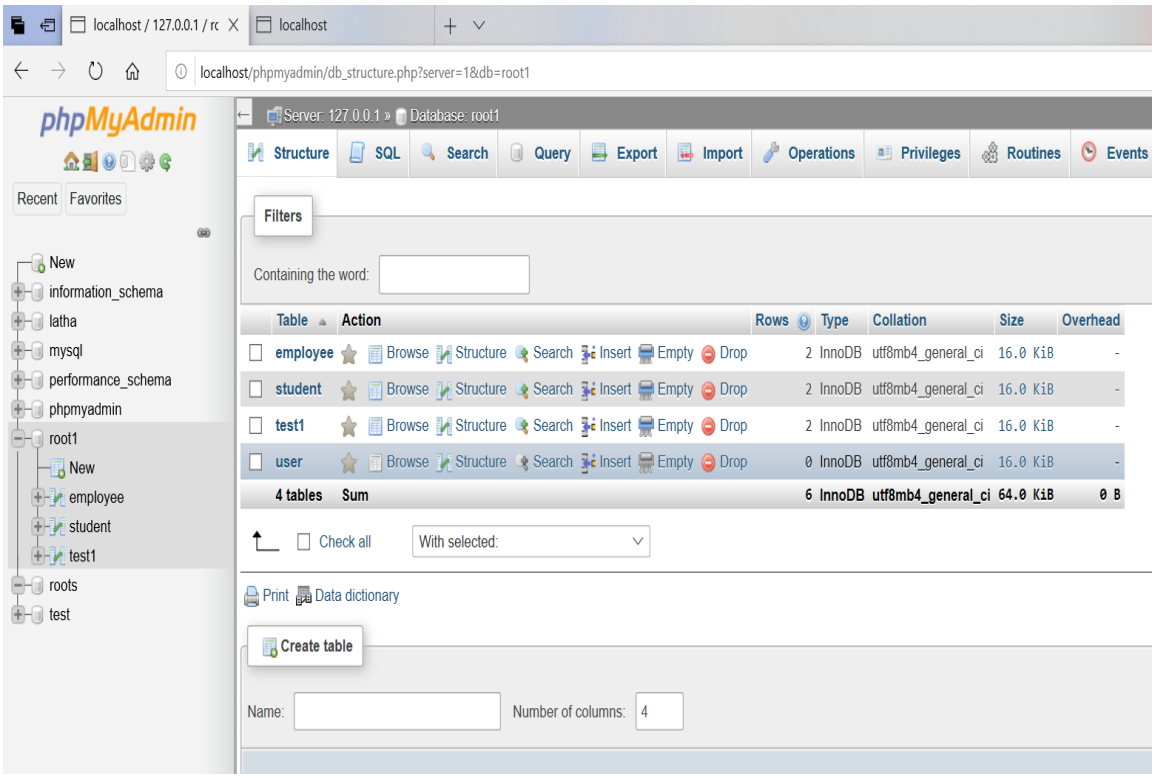
Aim: Organize a database table with user information like username, password andother required information.

Program:

```
<html>
<body>
<?php
$con=mysqli_connect("localhost","1234","","1576");
if($con)
print "connection established"."<br>";
else
print "connection failed".mysqli_error();
mysqli_select_db($con,"1576");
mysqli_query($con,"create table user(snoint primary key,unamevarchar(25),password varchar(15),age int,phoneint)");
?>
</body>
</html>
```

Output:




localhost / 127.0.0.1 / rc
localhost
localhost/phpmyadmin/db_structure.php?server=1&db=root1
phpMyAdmin
Recent
Favorites
New
information_schema
latha
mysql
performance_schema
phpmyadmin
root1
New
employee
student
test1
roots
test
Server: 127.0.0.1 » Database: root1
Structure
SQL
Search
Query
Export
Import
Operations
Privileges
Routines
Events
Filters
Containing the word:
Table
Action
Rows
Type
Collation
Size
Overhead
employee Browse Structure Search Insert Empty Drop 2 InnoDB utf8mb4_general_ci 16.0 KiB -
student Browse Structure Search Insert Empty Drop 2 InnoDB utf8mb4_general_ci 16.0 KiB -
test1 Browse Structure Search Insert Empty Drop 2 InnoDB utf8mb4_general_ci 16.0 KiB -
user Browse Structure Search Insert Empty Drop 0 InnoDB utf8mb4_general_ci 16.0 KiB -
4 tables Sum 6 InnoDB utf8mb4_general_ci 64.0 KiB 0 B
Check all
With selected:
Print
Data dictionary
Create table
Name:
Number of columns:
4

Task 7(b): Design a registration page and insert the data into created database table

Aim: Design a registration page and insert the data into created database table

Program:

db.php

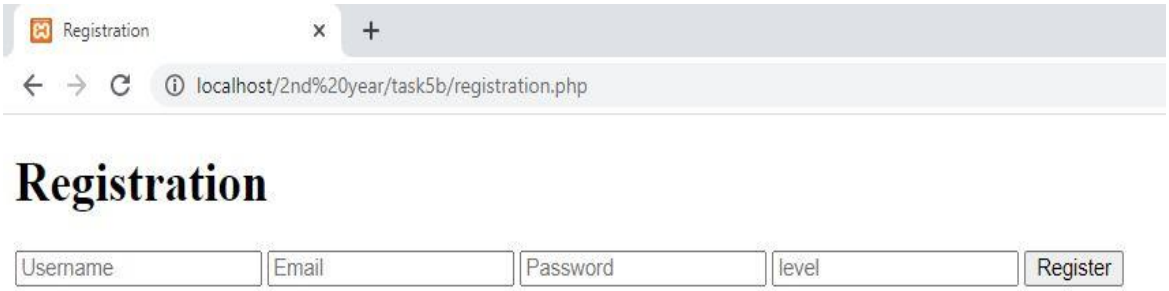
```
<?php
$con = mysqli_connect("localhost","root","","abc");
// Check connection
if (mysqli_connect_errno())
{
echo "Failed to connect to MySQL: " . mysqli_connect_error();
}
?>
```

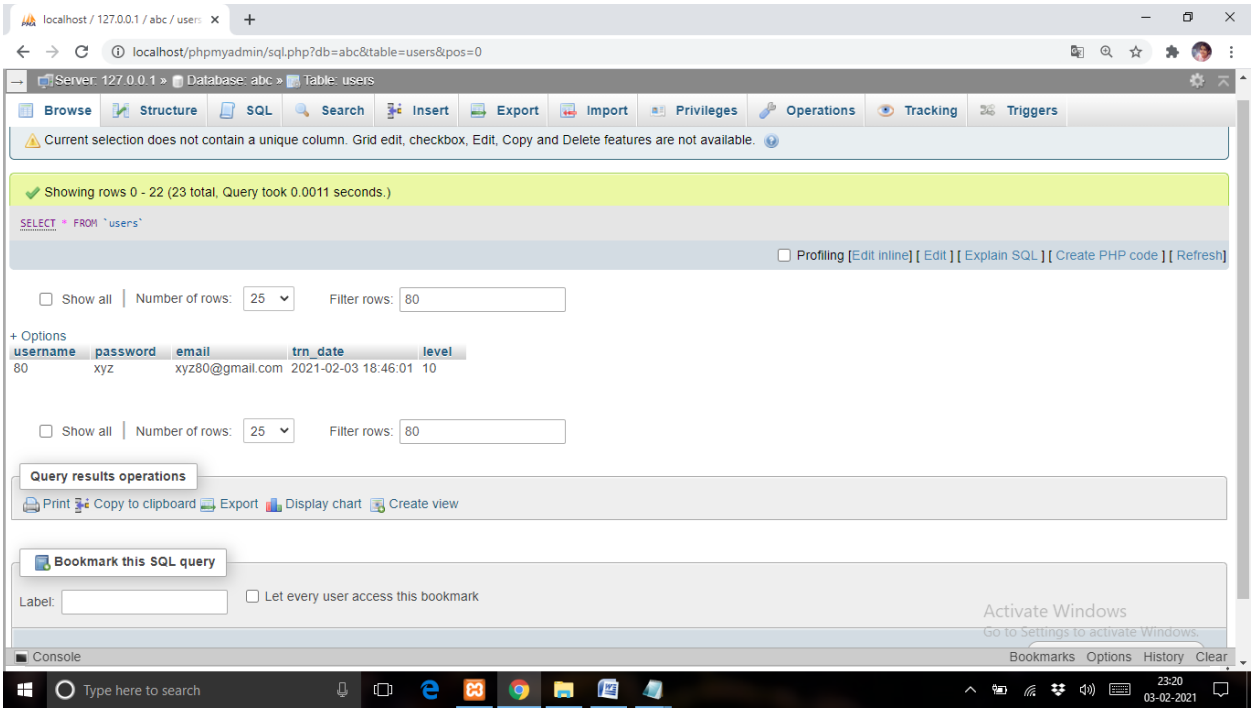
registration.php

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Registration</title>
<link rel="stylesheet" href="css/style.css" />
</head>
<body>
<?php
require('db.php');
// If form submitted, insert values into the database.
if (isset($_REQUEST['username'])){
        $username = $_REQUEST['username'];
        $email = $_REQUEST['email'];
        $password = $_REQUEST['password'];
        $level = $_REQUEST['level'];
        $trn_date = date("Y-m-d H:i:s");
    $query = "INSERT into `users` (username, password, email, trn_date,level) VALUES ('$username', '$password', '$email', '$trn_date','$level')";
```

```
        $result = mysqli_query($con,$query);
if($result){
echo "<h3>You are registered successfully.</h3>
                                <br/>Click here to <a href='login.php'>Login</a></div>";
        }
}
else{
?>
<div class="form">
<h1>Registration</h1>
<form name="registration" action="" method="post">
<input type="text" name="username" placeholder="Username" required />
<input type="email" name="email" placeholder="Email" required />
<input type="password" name="password" placeholder="Password" required />
<input type="level" name="level" placeholder="level" required />
<input type="submit" name="submit" value="Register" />
</form>
</div>
<?php } ?>
</body>
</html>
```

Output:




localhost / 127.0.0.1 / abc / users
localhost/phpmyadmin/sql.php?db=abc&table=users&pos=0
Server: 127.0.0.1 » Database: abc » Table: users
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.
Showing rows 0 - 22 (23 total, Query took 0.0011 seconds.)
SELECT * FROM `users`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all | Number of rows: 25 Filter rows: 80
+ Options
username password email trn_date level
80 xyz xyz80@gmail.com 2021-02-03 18:46:01 10
Show all | Number of rows: 25 Filter rows: 80
Query results operations
Print Copy to clipboard Export Display chart Create view
Bookmark this SQL query
Label:
Let every user access this bookmark
Activate Windows
Go to Settings to activate Windows.
Console
Bookmarks Options History Clear
Type here to search
23-20
03-02-2021

Task 7(c): Design a login page and authenticate the user to display home page or else login error.

Aim: Design a login page and authenticate the user to display home page or else login error.

Program:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Login</title>
<link rel="stylesheet" href="css/style.css" />
</head>
<body>
<?php
require('db.php');
session_start();
// If form submitted, insert values into the database.
if (isset($_POST['username'])){
	$username = $_REQUEST['username'];
		$password = $_REQUEST['password'];
	//Checking is user existing in the database or not
		$query = "SELECT * FROM `users` WHERE username='$username' and password='$password' ";

	$result = mysqli_query($con,$query) or die(mysql_error());
	$rows = mysqli_num_rows($result);
	//echo $rows;
if($rows==1){
	  $_SESSION['username'] = $username;
echo "Welcome $username. You are logged in, This is secure area";
			echo "<p><a href='logout.php'>Logout</a></p>";
		}else{
			echo "<h3>Username/password is incorrect.</h3>
			<br/>Click here to <a href='login.php'>Login</a></div>";
	}
```

```
}else{
?>
<div class="form">
<h1>Log In</h1>
<form action="" method="post" name="login">
<input type="text" name="username" placeholder="Username" required />
<input type="password" name="password" placeholder="Password" required />
<input name="submit" type="submit" value="Login" />
</form>
<p>Not registered yet? <a href='registration.php'>Register Here</a></p>
</div>
<?php } ?>
</body>
</html>
```

logout.php

```
<?php
session_start();
// Destroying All Sessions
if(session_destroy())
{
// Redirecting To Home Page
header("Location: login.php");
}
?>
```

Output:

TASK 8

Task 8(a): Examine and write a PHP script for updating required user information in the database.

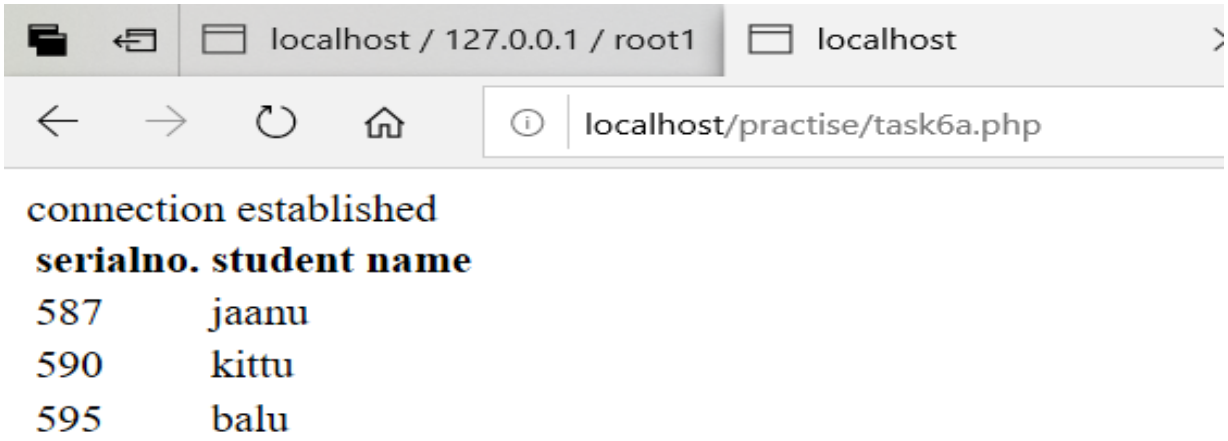
Aim: Examine and write a PHP script for updating required user information in the database.

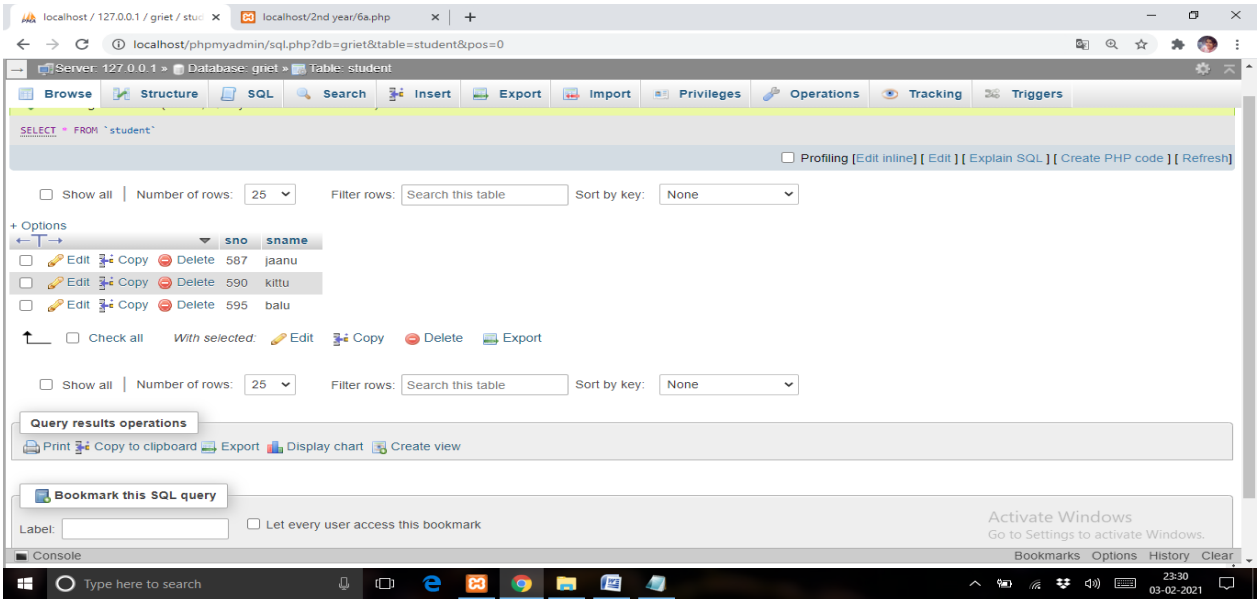
Program:

```
<html>
<body>
<?php
$con=mysqli_connect("localhost","root1","root1","root1");
if($con)
print "connection established"."<br>";
else
print "connection failed".mysqli_error();
mysqli_select_db($con,"root1");
mysqli_query($con,"create table student1(snoint primary key,snamevarchar(25))");
mysqli_query($con,"insert into student1 values(590,'kittu')");
mysqli_query($con,"insert into student1 values(595,'balu')");
mysqli_query($con,"insert into student1 values(587,'madhu')");
mysqli_query($con,"update student1 set sname='jaanu' where sno=587");
$query=mysqli_query($con,("select*from student1"));
$rows=mysqli_num_rows($query);
echo "<table><tr><th>serialno.</th><th>student name</th></tr>";
for($j=0;$j<$rows;++$j)
{
$row=mysqli_fetch_row($query);
echo "<tr>";
for($k=0;$k<2;++$k)
echo "<td>$row[$k]</td>";
echo "</tr>";
}
echo "</table>";
mysqli_close($con);
?>
```

</html>

Output:


localhost / 127.0.0.1 / root1
localhost
localhost/practise/task6a.php
connection established
serialno. student name
587 jaanu
590 kittu
595 balu


localhost/phpmyadmin/sql.php?db=griet&table=student&pos=0
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
SELECT * FROM `student`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
+ Options
sno sname
Edit Copy Delete 587 jaanu
Edit Copy Delete 590 kittu
Edit Copy Delete 595 balu
Check all With selected: Edit Copy Delete Export
Query results operations
Print Copy to clipboard Export Display chart Create view
Bookmark this SQL query
Label:
Let every user access this bookmark
Console
Bookmarks Options History Clear

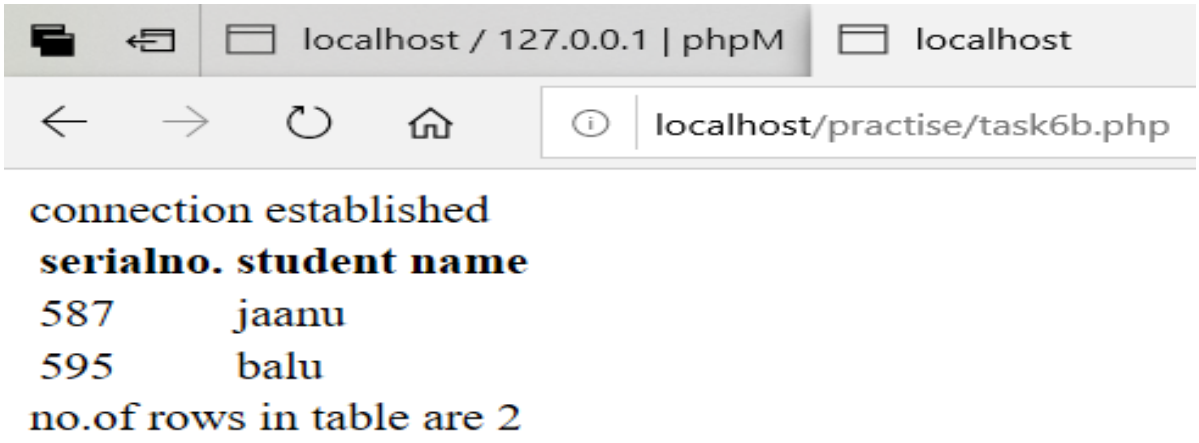
Task 8(b): Write a PHP script for deleting a specified user from the database.

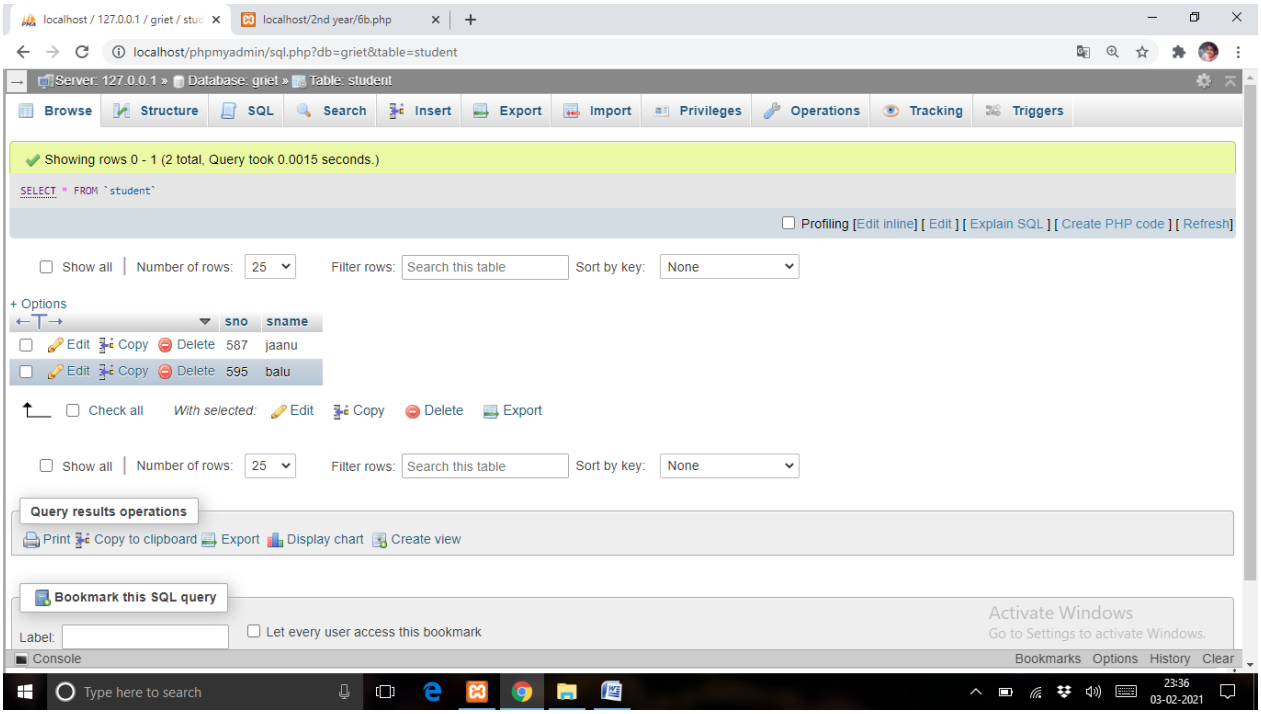
Aim: Write a PHP script for deleting a specified user from the database.

Program:

```
<html>
<body>
<?php
$con=mysqli_connect("localhost","root1","root1","root1");
if($con)
print "connection established"."<br>";
else
print "connection failed".mysqli_error();
mysqli_select_db($con,"root1");
mysqli_query($con,"delete from student1 where sname='kittu'");
$query=mysqli_query($con,("select*from student1"));
$rows=mysqli_num_rows($query);
echo "<table><tr><th>serialno.</th><th>student name</th></tr>";
for($j=0;$j<$rows;++$j)
{
$row=mysqli_fetch_row($query);
echo "<tr>";
for($k=0;$k<2;++$k)
echo "<td>$row[$k]</td>";
echo "</tr>";
}
echo "</table>";
print "no.of rows in table are  ";
print $rows;
mysqli_close($con);
?>
</html>
```

Output:


localhost / 127.0.0.1 | phpM
localhost
localhost/practise/task6b.php
connection established
serialno. student name
587 jaanu
595 balu
no.of rows in table are 2


localhost/phpmyadmin/sql.php?db=griet&table=student
Server: 127.0.0.1 » Database: griet » Table: student
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Showing rows 0 - 1 (2 total, Query took 0.0015 seconds.)
SELECT * FROM `student`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all
Number of rows: 25
Filter rows: Search this table
Sort by key: None
+ Options
sno
sname
Edit Copy Delete 587 jaanu
Edit Copy Delete 595 balu
Check all
With selected:
Edit
Copy
Delete
Export
Query results operations
Print
Copy to clipboard
Export
Display chart
Create view
Bookmark this SQL query
Label:
Let every user access this bookmark
Activate Windows
Go to Settings to activate Windows.
Console
Bookmarks
Options
History
Clear
Type here to search
23:36
03-02-2021

TASK 9

Task 9: Execute a PHP script to store, retrieve and delete session data using session variables. Example of displaying username across all the pages from the time user login till user logout from the application. (Using sessions)

Aim: Execute a PHP script to store, retrieve and delete session data using session variables. Example of displaying username across all the pages from the time user login till user logout from the application. (using sessions)

Program:

```
<?php
session_start(); // store session data
$_SESSION["name"]="Sanju";
$_SESSION["favcolor"]="blue";
//retrieve session data
echo "My name is =". $_SESSION["name"];
echo "My favourite color is=".$_SESSION["favcolor"];
?>
<?php //delete session data
if(isset($_SESSION["name"]))
{
unset($_SESSION["name"]);
}
print_r($_SESSION);
session_destroy();
?>
```

Output:

TASK 10

Task 10: Create a simple XMLHttpRequest and retrieve data from a text file

Aim: Create a simple XMLHttpRequest and retrieve data from a text file

Program:

abc.txt

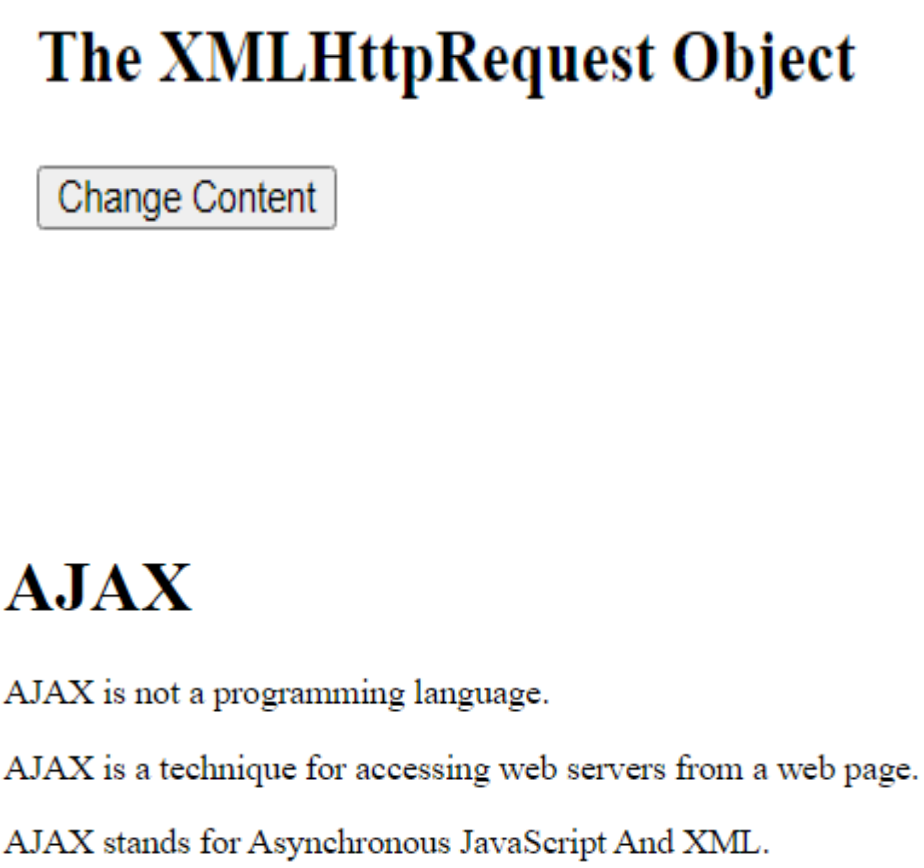
AJAX is not a programming language.

AJAX is a technique for accessing web servers from a web page.

AJAX stands for Asynchronous JavaScript and XML.

```
<!DOCTYPE html>
<html>
<body>
<div id="demo">
<h2>The XMLHttpRequest Object</h2>
<button type="button" onclick="loadDoc()">Change Content</button>
</div>
<script>
functionloadDoc() {
varxhttp = new XMLHttpRequest();
xhttp.onreadystatechange = function() {
if (this.readyState == 4 &&this.status == 200) {
document.getElementById("demo").innerHTML =
this.responseText;
    }
  };
xhttp.open("GET", "abc.txt", true);
xhttp.send();
}
</script>
</body>
</html>
```

Output:


The XMLHttpRequest Object
Change Content
AJAX
AJAX is not a programming language.
AJAX is a technique for accessing web servers from a web page.
AJAX stands for Asynchronous JavaScript And XML.

TASK 11

Task 11: Create an AJAX application to retrieve the contents of PHP file. Example: Consider a webpage with textbox to search for a name, as the user enter a character, the application should display all the suggested names with that character, if no match display no suggests message.

Aim: Create an AJAX application to retrieve the contents of PHP file. Example: Consider a webpage with textbox to search for a name, as the user enter a character, the application should display all the suggested names with that character, if no match display no suggests message.

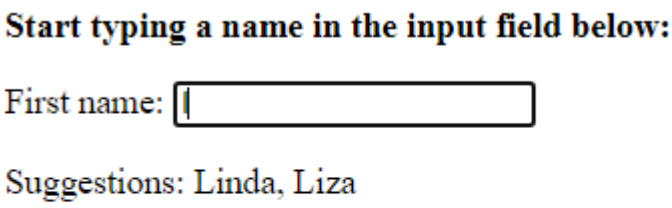
Program:

```
<html>
<head>
<script>
function showResult(str) {
  if (str.length==0) {
    document.getElementById("livesearch").innerHTML="";
    document.getElementById("livesearch").style.border="0px";
    return;
  }
  var xmlhttp=new XMLHttpRequest();
  xmlhttp.onreadystatechange=function() {
    if (this.readyState==4 && this.status==200) {
      document.getElementById("livesearch").innerHTML=this.responseText;
      document.getElementById("livesearch").style.border="1px solid #A5ACB2";
    }
  }
  xmlhttp.open("GET","livesearch.php?q="+str,true);
  xmlhttp.send();
}
</script>
</head>
<body>

<form>
```

```
<input type="text" size="30" onkeyup="showResult(this.value)">
<div id="livesearch"></div>
</form>

</body>
</html>
<?php
$xmlDoc=new DOMDocument();
$xmlDoc->load("links.xml");

$x=$xmlDoc->getElementsByTagName('link');

//get the q parameter from URL
$q=$_GET["q"];

//lookup all links from the xml file if length of q>0
if (strlen($q)>0) {
  $hint="";
  for($i=0; $i<($x->length); $i++) {
    $y=$x->item($i)->getElementsByTagName('title');
    $z=$x->item($i)->getElementsByTagName('url');
    if ($y->item(0)->nodeType==1) {
      //find a link matching the search text
      if (stristr($y->item(0)->childNodes->item(0)->nodeValue,$q)) {
        if ($hint=="") {
          $hint="<a href='" .
          $z->item(0)->childNodes->item(0)->nodeValue .
          "' target='_blank'>" .
          $y->item(0)->childNodes->item(0)->nodeValue . "</a>";
        } else {
          $hint=$hint . "<br /><a href='" .
          $z->item(0)->childNodes->item(0)->nodeValue .
          "' target='_blank'>" .
          $y->item(0)->childNodes->item(0)->nodeValue . "</a>";
```

```
      }
    }
  }
 }
}

// Set output to "no suggestion" if no hint was found
// or to the correct values
if ($hint=="") {
 $response="no suggestion";
} else {
 $response=$hint;
}

//output the response
echo $response;
?>
```

Output:



TASK 12

Task 12: Develop an AJAX application to retrieve the contents of database. Example: Consider a webpage with a dropdown list of set of names, as user selects a name the application should be able to display selected user personal information (username, Phone number, Email-id, Place) in a table. When user selects other name, other user information should be displayed without reloading the page.

Aim: Develop an AJAX application to retrieve the contents of database. Example: Consider a webpage with a dropdown list of set of names, as user selects a name the application should be able to display selected user personal information (username, Phone number, Email-id, Place) in a table. When user selects other name, other user information should be displayed without reloading the page.

Program:

```
<!DOCTYPE html>
<html>
<style>
table,th,td {
border : 1px solid black;
border-collapse: collapse;
}
th,td {
padding: 5px;
}
</style>
<body>
<h1>The XMLHttpRequest Object</h1>
<form action="">
<select name="customers" onchange="showCustomer(this.value)">
<option value="">Select a customer:</option>
<option value="ALFKI">AlfredsFutterkiste</option>
<option value="NORTS ">North/South</option>
<option value="WOLZA">WolskiZajazd</option>
</select>
</form>
<br>
```

```
<div id="txtHint">Customer info will be listed here...</div>
<script>
functionshowCustomer(str) {
varxhttp;
if (str == "") {
document.getElementById("txtHint").innerHTML = "";
return;
  }
xhttp = new XMLHttpRequest();
xhttp.onreadystatechange = function() {
if (this.readyState == 4 &&this.status == 200) {
document.getElementById("txtHint").innerHTML = this.responseText;
    }
  };
xhttp.open("GET", "getcustomer.asp?q="+str, true);
xhttp.send();
}
</script>
</body>
</html>
```

PHP File:

```
<!DOCTYPE html>
<html>
<head>
<style>
table {
width: 100%;
border-collapse: collapse;
}
table, td, th {
border: 1px solid black;
padding: 5px;
}
th {text-align: left;}
```

```
</style>
</head>
<body>
<?php
$q = intval($_GET['q']);
$con = mysqli_connect('localhost','peter','abc123','my_db');
if (!$con) {
die('Could not connect: ' . mysqli_error($con));
}
mysqli_select_db($con,"ajax_demo");
$sql="SELECT * FROM user WHERE id = '".$q."'";
$result = mysqli_query($con,$sql);
echo "<table>
<tr>
<th>Firstname</th>
<th>Lastname</th>
<th>Age</th>
<th>Hometown</th>
<th>Job</th>
</tr>";
while($row = mysqli_fetch_array($result)) {
echo "<tr>";
echo "<td>" . $row['FirstName'] . "</td>";
echo "<td>" . $row['LastName'] . "</td>";
echo "<td>" . $row['Age'] . "</td>";
echo "<td>" . $row['Hometown'] . "</td>";
echo "<td>" . $row['Job'] . "</td>";
echo "</tr>";
}
echo "</table>";
mysqli_close($con);
?>
</body>
</html>
```

Output:

The XMLHttpRequest Object

Alfreds Futterkiste

CustomerID	ALFKI
CompanyName	Alfreds Futterkiste
ContactName	Maria Anders
Address	Obere Str. 57
City	Berlin
PostalCode	12209
Country	Germany