PRACTICAL 21

AIM: Write a PHP Script for login authentication. Design an html form which takes username and password from user and validate against stored username and password in file.

Source code: -

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<!--login form-->

<form action="login.php" method="post">

<input type="text" name="username" placeholder="username">

<input type="password" name="password" placeholder="password">

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

</form>

</body>

</html>

login.php
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">

```php
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Document</title>
</head>
<body>
<?php
$username = $_POST['username'];
$password = $_POST['password'];
$validate = validate($username, $password);
//if data is valid, print success message if($validate == true)
{


//alert success message echo "<script>alert('Login

Successful!')</script>";

}
//if data is not valid, print error message else
{
//alert error message echo "<script>alert('Login

Failed!')</script>";

}
//validate data stored in file as username:password function validate($username, $password)
{
$file = fopen("users.txt", "r"); while(!feof($file)){
$line = fgets($file);
$line = trim($line);
$line = explode(":", $line); if($line[0] == $username && $line[1] ==

$password)

{
return true;
}
}
}
?>
</body>
</html>
```

OUTPUT:

corona | •••••••• | login

localhost says

Login Successful!

OK

PRACTICAL 22

AIM: Write PHP Script for storing and retrieving user information from MySql table. 1. Design A HTML page which takes Name, Address, Email and Mobile No. From user (register.php) 2. Store this data in Mysql database / text file. 3.
Next page display all user in html table using PHP (display.php)

Source code: -

```
<html>
<head>
<body>
<style>
.container { max-width: 1350px; width: 100%; margin: 50px; height: auto; display: block;
}
body { color: #8A2BE2; font-size: 20px; font-family: Verdana, Arial, Helvetica, monospace;

background-color: #F0E8A0;

}
h2 { text-align: center;

}
.form_group { padding: 10px; display: block;

} label { float: left;

padding-right: 50px; line-

height: 10%; display:

block; width: 208px;

}
</style>
<title>Registration Form</title>
<body>
<h2>Sign Up</h2>
<form name = "form1" action="p22.php" method = "post" enctype =
"multipart/form-data" >
```

```
<div class = "container">
<div class = "form_group">
<label>First Name:</label>
<input type = "text" name = "fname" value = "" required/>
</div>
<div class = "form_group">
<label>Middle Name:</label>
<input type = "text" name = "mname" value = "" required />
</div>
<div class = "form_group">
<label>Last Name:</label>
<input type = "text" name = "lname" value = "" required/>
</div>
<div class = "form_group">
<label>Password:</label>
<input type = "password" name = "pwd" value = "" required/>
</div>
<div class="form_group"><input type="submit" name="submit"/></div>
</div>
</form>
<?php
$finame=$_POST['fname'];
$mname=$_POST['mname'];

$lname=$_POST['lname'];

$passwordd=$_POST['pwd']; echo "<table

border=1>"; echo "<tr>";

echo "<th>FIRST NAME</th>"; echo "<th>MIDDLE NAME</th>"; echo

"<th>LAST NAME</th>"; echo "<th>PASSWORD</th>"; echo "</tr>"; echo

"<tr>"; echo "<td>$finame</td>"; echo "<td>$mname</td>"; echo

"<td>$lname</td>"; echo "<td>$passwordd</td>"; echo "</tr>"; echo "<br>"; echo

"<style>table{background-color:'red';}</style>";

$servername = "localhost";
$username = "root";
```

```
$password = "1";
$db="regi" ;
$conn = mysqli_connect($servername , $username , $password, $db); //$sql =
mysqli_select_db ('test',$conn) or die("unable to connect to database"); if (!$conn) {
die("Connection failed: " . mysqli_connect_error());

}
else echo "Connected successfully";

$sql = "INSERT INTO signup (first name, miname, lastname,password) VALUES
($finame, $mname,$lname,$passwordd)";
/*$result = mysqli_query($conn,$sql);
$row = mysqli_fetch_assoc($result);*/ if ($conn->query($sql) === TRUE) { echo "New

record created successfully"; echo "connect to db ";

} else { echo "Error:op111 " . $sql . "<br>" . $conn->error;

}
$connection = mysqli_connect('localhost', 'root', ''); //The Blank string is the password
mysqli_select_db($conn,"signup");
$query = "SELECT * FROM signup"; //You don't need a ; like you do in SQL
$result = mysqli_query($conn,$query);
echo "<table>"; // start a table tag in the HTML echo "<th>table is working</th>";
while($row = mysqli_fetch_array($result)){ //Creates a loop to loop through results
echo "<tr><td>" . $row[$finame] . "</td><td>" . $row[$mname] . "</td><td>" . $row[$lname]
. "</td><td>" . $row[$passwordd] . "</td></tr>"; //$row['index'] the index here is a field name
}
echo "</table>"; //Close the table in HTML
//Make sure to close out the database connection
$conn->close();
?>
</body>
</head>
</html>
```

PRACTICAL 24

AIM: Implement the basic website structure using Code Ignitor Framewrok **.**

Source code: -

hello.php <?php defined('BASEPATH') OR exit('No direct script access allowed');

class Hello extends CI_Controller {   public function index()

```
{
$this->load->view('hello_world');
}
}
?> hello_world.php
```

```
<!DOCTYPE html>
<html>
<head>
<title>Hello World</title>
</head>
<body>
<p>Hello World!!</p>
</body>
</html>
```
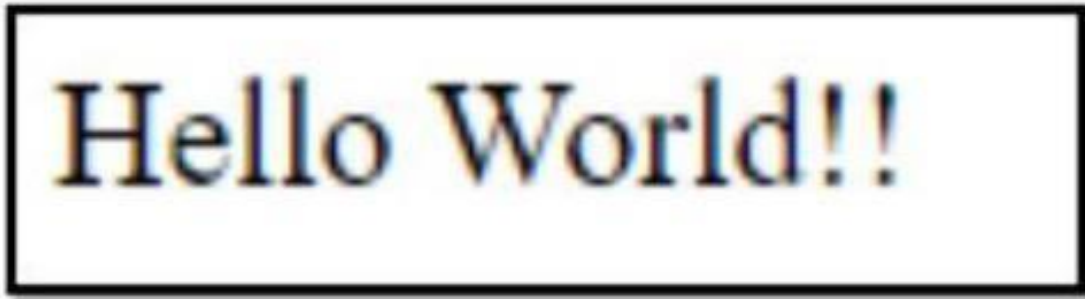
OUTPUT:

Hello World!!

PRACTICAL 25

AIM: Using ajax fetch information from a database with AJAX.

Source code: -

```
data-list.php
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
</head>
<body>
<button id="showData">Show User Data</button>
<div id="table-container"></div>
<script> src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery. min.js"></scrip t>

<script type="text/javascript" src="ajax-script.js"></script>
</body>
</html>
<?php

$hostname = "localhost";

$username = "root";

$password = "";

$databasename = "mysql";

// Create connection

$conn = mysqli_connect($hostname, $username,
$password,$databasename);
```

OUTPUT:

OUTPUT:

Show User Data

PRACTICAL 26

**AIM**: Install SciLab and get familiar with general environment and console

SOURCE CODE:

Installation and getting familiar with SciLab
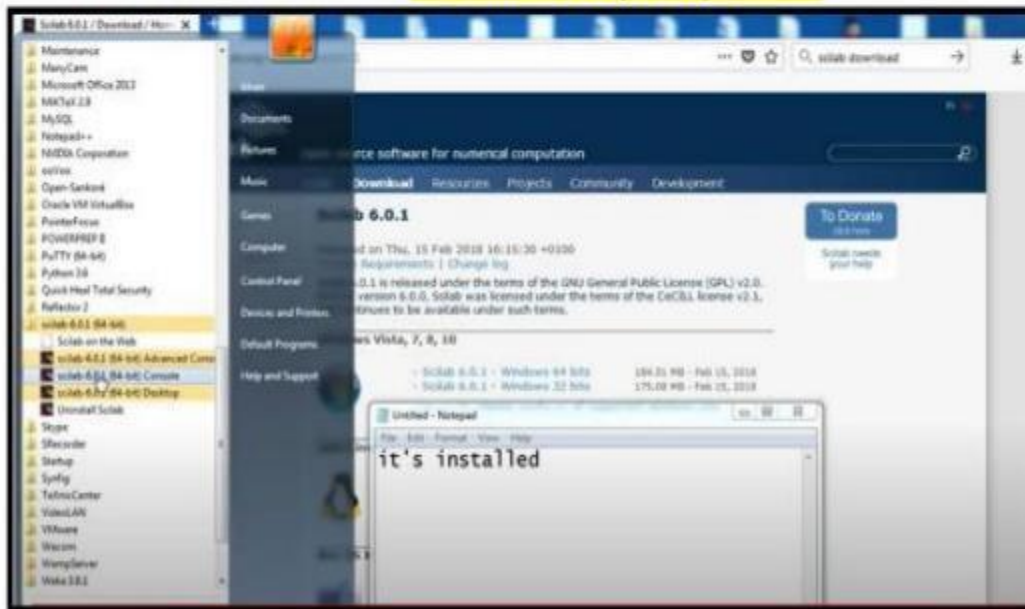Install Scilab Scilab is numerical computation software that anybody can freely download.

Available under Windows, Linux and Mac OS X, Scilab can be downloaded at the following

address: http://www.scilab.org/

How to install SCILAB on Windows Operating System
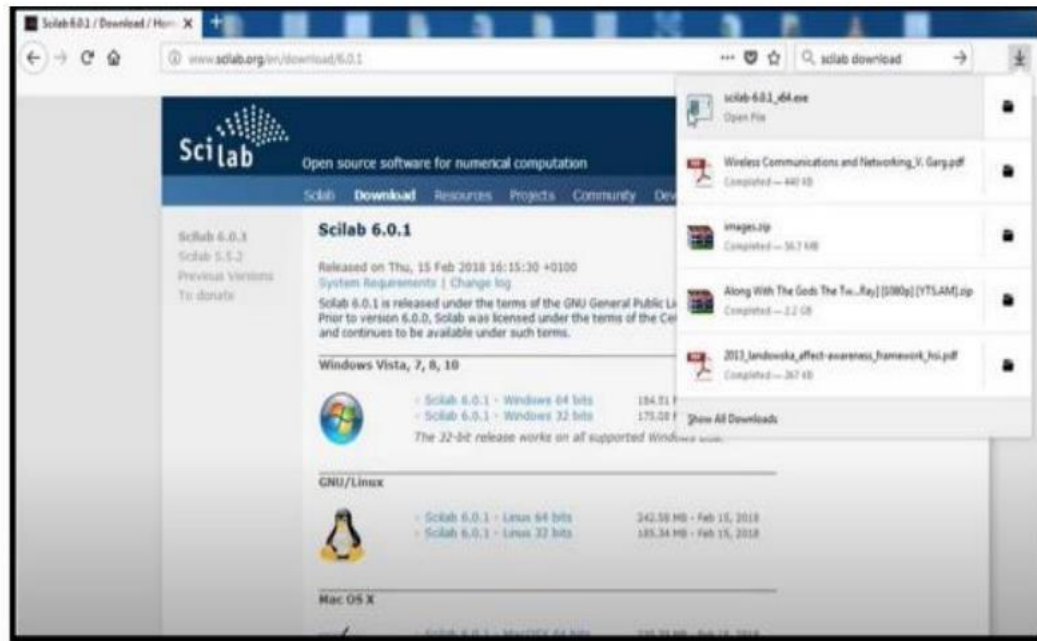
On start windows button select on sciLab-6.0.1(64-bit) console

PRACTICAL 27

Aim*:* Get simple mathematical/numerical operations executed in SciLab .

SOURCE CODE:

5+4
3-2
3*2 3/2
max(45,34,23,12,5,454) min(45,34,23,12,5,454)

OUTPUT:

```
Scilab 6.1.1 Console

--> 5+4
 ans  =

    9.

--> 3-2
 ans  =

    1.

--> 3*2
 ans  =

    6.

--> 3/2
 ans  =

    1.5

--> max(45,34,23,12,5,454)
 ans  =

    454.

--> min(45,34,23,12,5,454)
 ans  =

    5.
```
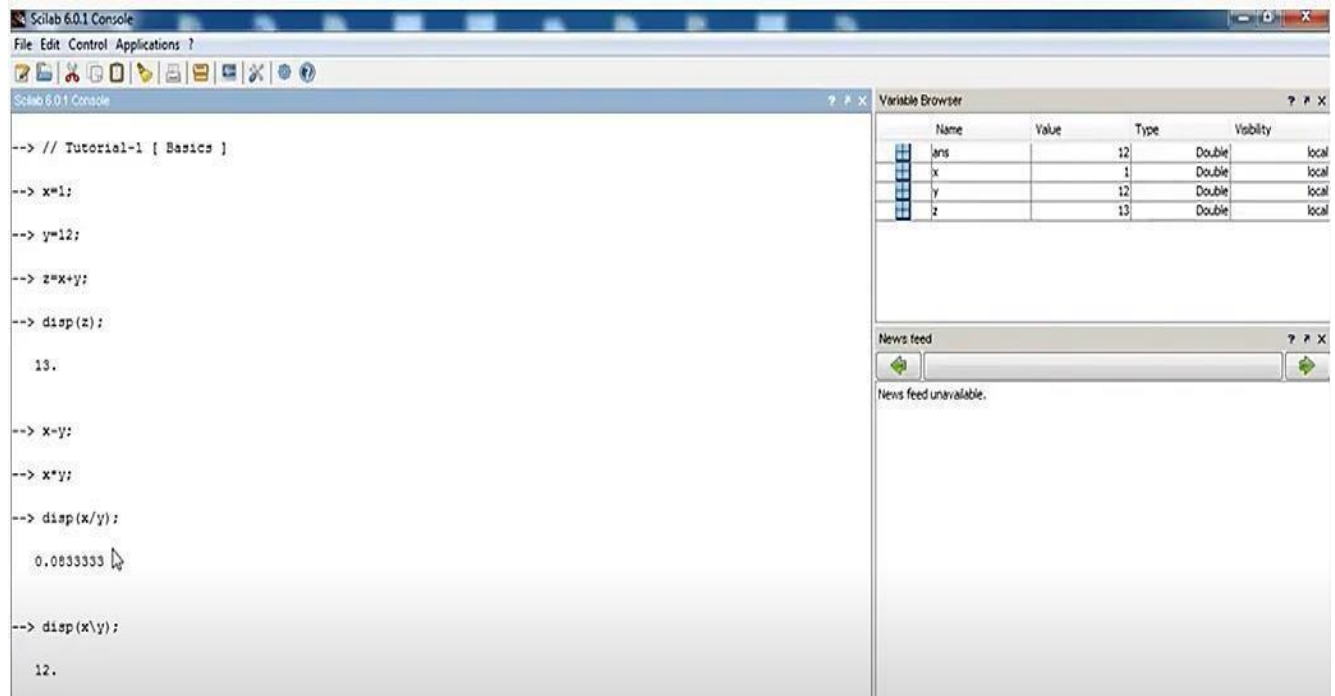
PRACTICAL 28

AIM*:* Plot curves/graphs using the graphics window

SOURCE CODE:

OUTPUT: