

***Practical:16***

Create an XML file and XML Schema to store student information like Enrolment Number, Name , Mobile Number and Email Id.

***SOURCE CODE:***

```
<?xml version="1.0"?>

<students>

  <student>

    <enroll_no>21BECE30150</enroll_no>

    <name>

      <fname>Janmajey</fname>

      <lname>Nathvani</lname>

    </name>

    <mobile_no>1236547890</mobile_no>

    <email>xyz@gmail.com</email>

  </student>

</students>
```

**OUTPUT:16**

---

This XML file does not appear to have any style information associated with it. The document tree is shown below.

---

```
▼<students>
  ▼<student>
    <enroll_no>21BECE30150</enroll_no>
    ▼<name>
      <fname>Janmajey</fname>
      <lname>Nathvani</lname>
    </name>
    <mobile_no>1236547890</mobile_no>
    <email>xyz@gmail.com</email>
  </student>
</students>
```

## Practical:17

Create Document Type Definition (DTD) for above XML File.

**SOURCE CODE:**

```
<?xml version="1.0"?>

<!DOCTYPE note

[

<!ELEMENT student (enroll_no,name,mobile_no,email)>

<!ELEMENT enroll_no (#PCDATA)>

<!ELEMENT name (#PCDATA)>

<!ELEMENT mobile_no (#PCDATA)>

<!ELEMENT email (#PCDATA)>

]>

<student>

  <enroll_no>21BECE30150</enroll_no>

  <name>

    <fname>Janmajey</fname>

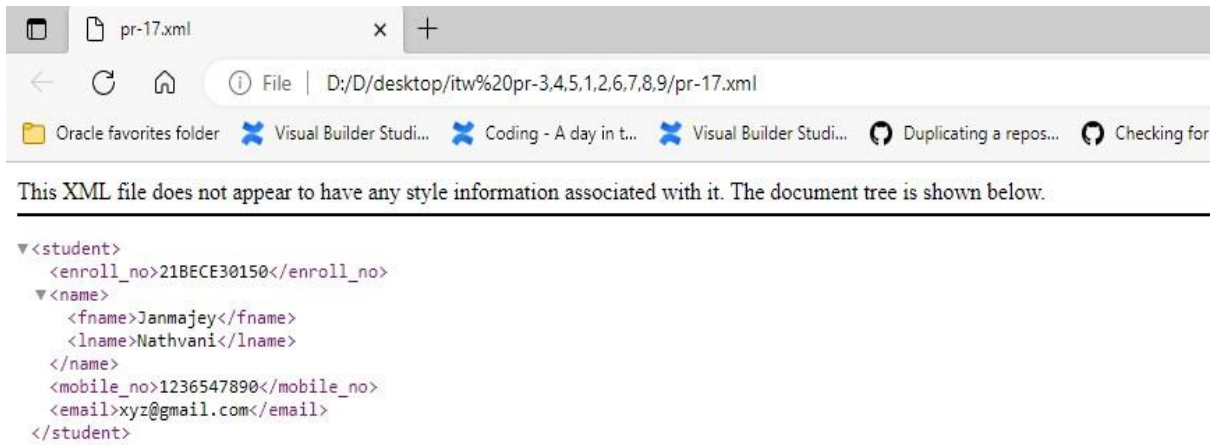
    <lname>Nathvani</lname>

  </name>

  <mobile_no>1236547890</mobile_no>

  <email>xyz@gmail.com</email>

</student>
```

**OUTPUT:17**

**Practical:18** Write a

php program to check if number is prime or not.

**SOURCE CODE:**

```
<!DOCTYPE html>

<html>

<body> <?php function
check_prime($num)
{
    if ($num == 1) return 0; for
($i = 2; $i <= $num/2; $i++)
    {
        if ($num % $i == 0)
return 0;
    }
    return 1;
}

$num = 23;

$flag_val = check_prime($num);
if ($flag_val == 1) echo "It is a
prime number"; else echo "It
is a non-prime number"
?>
```

**`</body>`**

**`</html>`**

***OUTPUT:18***

It is a prime number

**Practical:19**

**Aim:** Create HTML page that contain textbox, submit / reset button. Write php program to display this information and also store into text file.

**SOURCE CODE:**

```
<html>

<body>

    <form action="#" method="post">

        <h4>Name:</h4>

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

        <h4>Mobile_no:</h4>

        <input type="number" name="mobile">

        <br><br>

        <input type="reset" value="RESET">

    </form>

</body>

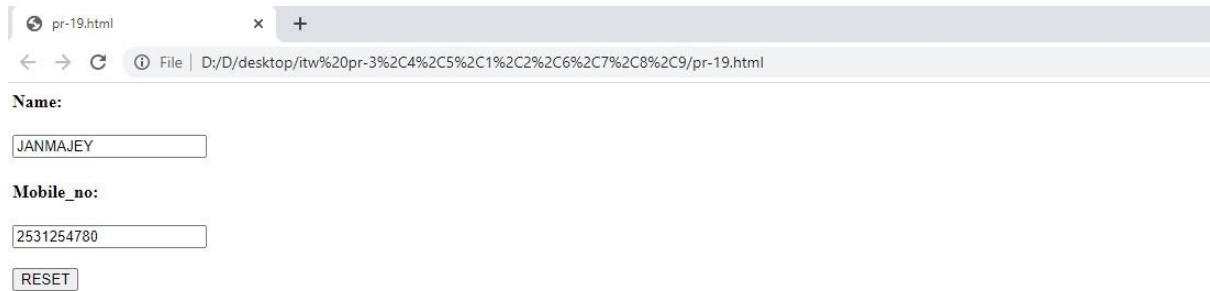
</html> <?php if (isset($_POST['name']) &&
isset($_POST['mobile']))
{
    $fname="Your name is:",$_post['name'];
    $ret=fopen("mydata.txt","a");
    $write=fwrite($ret,$fname);
```



```
$numb="Your phone Number is:",$_POST['mobile'];  
$write2=fwrite($ret,$numb);  echo readtitle("mydata.txt");  fclose($ret);  
}  
?>
```

## ***OUTPUT:19***

---



The screenshot shows a web browser window with a single tab titled 'pr-19.html'. The address bar displays the file path 'D:/D/desktop/itw%20pr-3%2C4%2C5%2C1%2C2%2C6%2C7%2C8%2C9/pr-19.html'. The page content includes a label 'Name:' followed by a text input field containing 'JANMAJEY'. Below this is a label 'Mobile\_no:' followed by a text input field containing '2531254780'. At the bottom of the form is a button labeled 'RESET'.

pr-19.html

File | D:/D/desktop/itw%20pr-3%2C4%2C5%2C1%2C2%2C6%2C7%2C8%2C9/pr-19.html

**Name:**

JANMAJEY

**Mobile\_no:**

2531254780

RESET

## Practical:20

**Aim:** Write a php script to read data from txt file and display it in html table  
(the file contains info in format Name: Password: Email )

**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>

<?php

//read data from file

$file = fopen("data.txt", "r");

//data format: name:password:email while(!feof($file))

{

$line = fgets($file); $data =

explode(":", $line); echo "Name:

".$data[0]."<br>"; echo "Password:

".$data[1]."<br>"; echo "Email:

".$data[2]."<br>"; echo "<hr>";
```

```
} fclose($file);

?></body>

</html> <!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>

<?php

//read data from file

$file = fopen("data.txt", "r");

//data format: name:password:email while(!feof($file))

{

$line = fgets($file); $data =

explode(":", $line); echo

"Name: ".$data[0]."<br>"; echo

"Password: ".$data[1]."<br>";

echo "Email: ".$data[2]."<br>";

echo "<hr>";
```

```
} fclose($file);
```

```
?>
```

```
</body>
```

```
</html>
```

## OUTPUT

Name: Red  
Password: Red@123  
Email: red123@ldrp.ac.in

---

Name: Blue  
Password: Blue@123  
Email: blue123@ldrp.ac.in

---

Name: Green  
Password: Green@123  
Email: green123@ldrp.ac.in

---

**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: index.php**

```
<!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">

<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:21**

---

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

$fname=$_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>$fname</td>"; echo "<td>$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";

$sql = "INSERT INTO signup (first name, miname, lastname,password) VALUES
($fname, $mname,$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>" . $row[$fname] . "</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>
```

OUTPUT:22

**Sign Up**

First Name:

Middle Name:

Last Name:

Password:

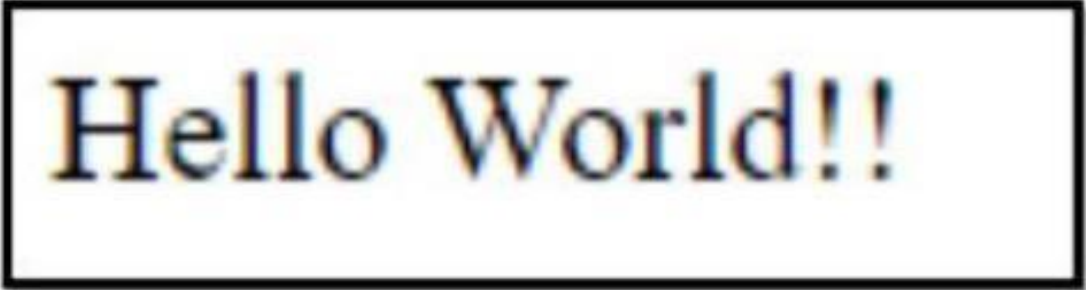


**Practical:24**

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>
```



Hello World!!

**Practical:25**

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:25

**OUTPUT:**

---

Show User Data

***Practical:26***

Install SciLab and get familiar with general environment and console

***SOURCE CODE:***

Installation and getting familiar with SciLab

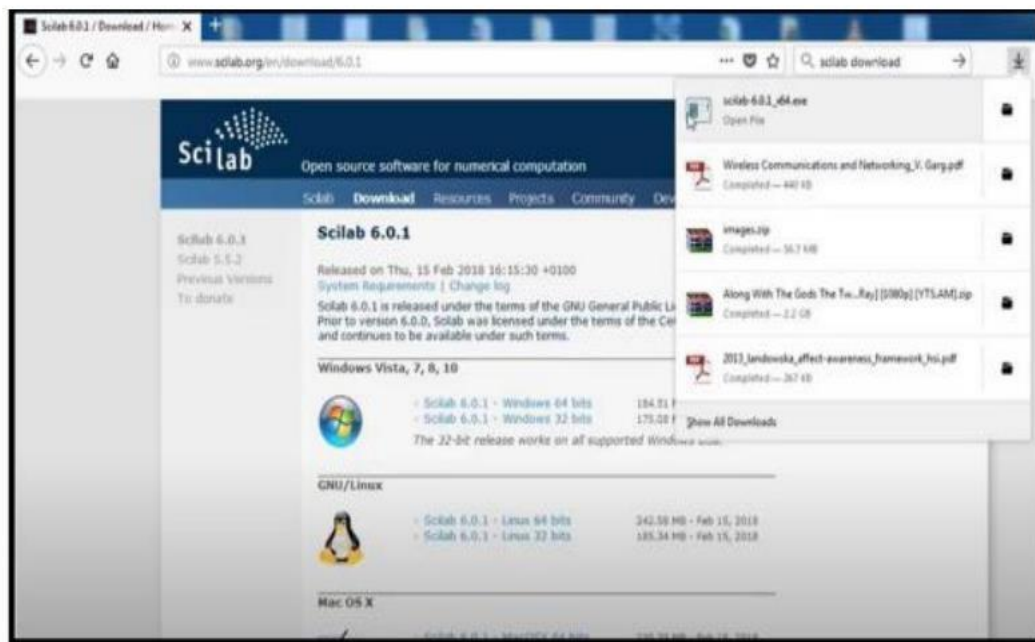
Install Scilab Scilab is numerical computation software that anybody can freely download.

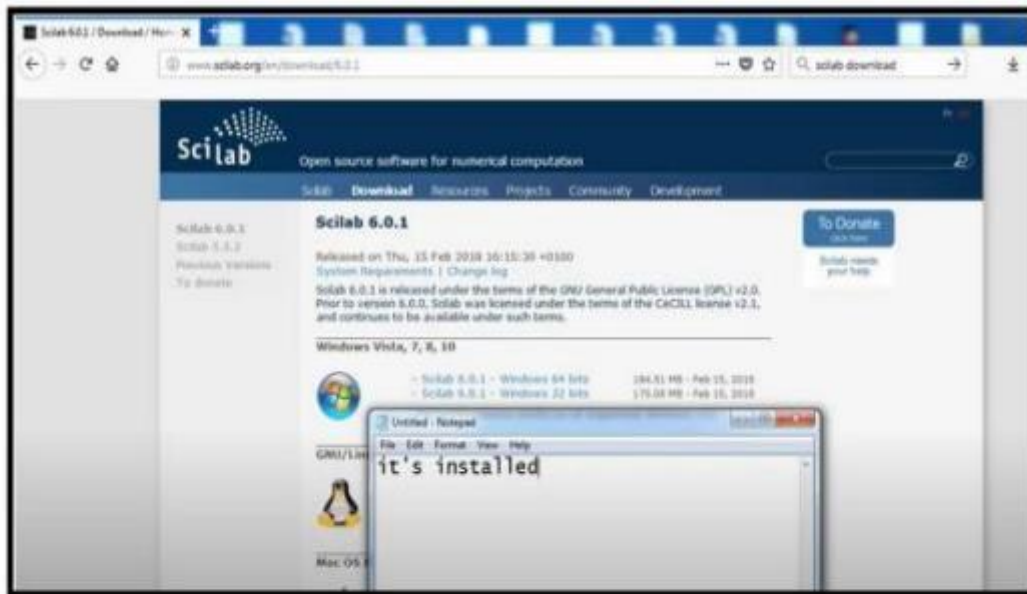
Available under Windows, Linux and Mac OS X, Scilab can be downloaded at the following address: <http://www.scilab.org/>

How to install SCILAB on Windows Operating System

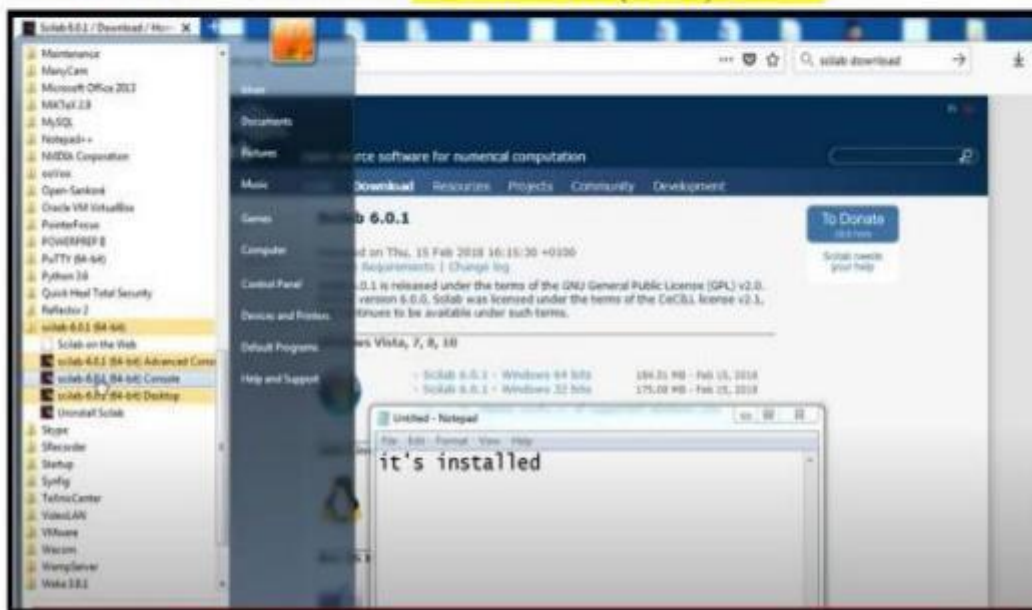
Step by Step Procedure

## OUTPUT:26





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)



