**Name : Ravula Pranay Kumar Reddy.**

**Semester : 2nd**

**Department : CSE.**

**Scholar No : 20u02012.**

**Programming Lab- II**

**\*All screenshots are attached at the end of this document**

**These codes are available at** [**https://github.com/rpranaykumarreddy/assign-2**](https://github.com/rpranaykumarreddy/assign-2)**.**

**Experiment – 1**

* 1. Explain the key features of PHP. Explain about the WAMP server and phpMyAdmin.

Ans) **Key features of PHP:**

* Familiarity – It has similar features with C.
* Simplicity – has pre-defined functions, support third-party applications & ease to use.
* Efficiency – support for object-oriented programming
* Security –data encryption options are supported. Support third-party applications to secure our data.
* Flexibility –can embed PHP scripts with HTML, JAVA SCRIPT, WML, XML, and many others. Supports on all devices.
* Open Source programming language.

**Wampserver:**

* WAMP stands for Windows, Apache, MySQL, and PHP.
* It’s a software stack of all this application.
* It is good to have all this in one installation
* It is like a virtual server on your computer.
* It helps to test a website for both developers and designers with no need to upload every time for every change.

Overall, it saves time and mobile data for either development or learning.

**PhpMyAdmin:**

* It is the most popular application for MySQL database management.
* It is like a dashboard for create, update, drop, alter, delete, import, and export function of MySQL database.
* It has user-friendly-interface.
  1. Develop a PHP document for a calculator with sum, difference, multiply, division operation of two numbers submitted by web user through an html form.

Code:

<!DOCTYPE html>

<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">

    <meta name="author" content="Ravula Pranay Kumar Reddy">

    <link rel="icon" href="https://rpranaykumarreddy.github.io/RPKR.png">

    <link rel="apple-touch-icon" sizes="180x180" href="https://rpranaykumarreddy.github.io/apple-touch-icon.png">

    <link rel="icon" type="image/png" sizes="32x32" href="https://rpranaykumarreddy.github.io/favicon-32x32.png">

    <link rel="icon" type="image/png" sizes="16x16" href="https://rpranaykumarreddy.github.io/favicon-16x16.png">

    <title>2-value Calculator</title>

<style>

\* {

    padding: 0px;

    margin: 0px;

}

#total{

    display: block;

    margin: 7.5vh auto 7.5vh auto;

    min-height: 75vh;

    height: auto;

    padding: 25px;

    text-align: center;

    width: 75vw;

    max-width: 700px;

    background-color: #eee8d5;}

input{padding:6px;}

[type="submit"]{

    font-size: 20px;

    font-weight:bold;

}

</style>

</head>

<body>

<div id="total">

<?php

$st\_num1=10;

$st\_num2=10;

if(isset($\_POST['Psum']) || isset($\_POST['Misum'])||isset($\_POST['Msum'])||isset($\_POST['Dsum'])){

    $st\_num1=$\_POST['Pnum'];

    $st\_num2=$\_POST['Snum'];

}

?>

<h1>2-value Calculator</h1><br><br>

<form method ="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>">

    Primary Number:<br>

    <input type ="number" name="Pnum" value="<?php echo $st\_num1 ?>"><br><br>

    Secondary Number: </br>

    <input type ="number" name="Snum" value="<?php echo $st\_num2 ?>"><br><br>

    <input type ="submit" name="Psum" value =" + ">

    <input type ="submit" name="Misum" value =" - ">

    <input type ="submit" name="Msum" value =" \* ">

    <input type ="submit" name="Dsum" value =" / ">

    </form>

    <br><br><br>

    <h4>Output</h4>

<?php

if(isset($\_POST['Psum']))

{

    $Pn = $\_POST['Pnum'];

    $Sn = $\_POST['Snum'];

    $out = $Pn + $Sn;

    echo "The sum of {$Pn} & {$Sn} is {$out}";

    echo "<br>";

    echo "<a href =\"index.php\">Clear</a>";

}

elseif(isset($\_POST['Misum']))

{

    $Pn = $\_POST['Pnum'];

    $Sn = $\_POST['Snum'];

    $out = $Pn - $Sn;

    echo "The difference between {$Pn} & {$Sn} is {$out}";

    echo "<br>";

    echo "<a href =\"index.php\">Clear</a>";

}

elseif(isset($\_POST['Msum']))

{

    $Pn = $\_POST['Pnum'];

    $Sn = $\_POST['Snum'];

    $out = $Pn \* $Sn;

    echo "The product of {$Pn} & {$Sn} is {$out}";

    echo "<br>";

    echo "<a href =\"index.php\">Clear</a>";

}

elseif(isset($\_POST['Dsum']))

{

    $Pn = $\_POST['Pnum'];

    $Sn = $\_POST['Snum'];

    $out = $Pn / $Sn;

    echo "The division  of {$Pn} by {$Sn} is {$out}";

    echo "<br>";

    echo "<a href =\"index.php\">Clear</a>";

}?>

<br><br><br>

<p style="text-align:center;"> Scripted by <a href="https://github.com/rpranaykumarreddy" target="\_blank">R Pranay Kumar Reddy</a></p>

    </div>

</body>

</html>

**Experiment - 2**

2.1) Develop a PHP document to evaluate factorial Fibonacci series of a number submitted by web user through an HTML form

Code: Index.html

<!DOCTYPE html>

<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">

    <meta name="author" content="Ravula Pranay Kumar Reddy">

    <link rel="icon" href="https://rpranaykumarreddy.github.io/RPKR.png">

    <link rel="apple-touch-icon" sizes="180x180" href="https://rpranaykumarreddy.github.io/apple-touch-icon.png">

    <link rel="icon" type="image/png" sizes="32x32" href="https://rpranaykumarreddy.github.io/favicon-32x32.png">

    <link rel="icon" type="image/png" sizes="16x16" href="https://rpranaykumarreddy.github.io/favicon-16x16.png">

    <title>Factorial Series</title>

</head>

<style>

    \* {

        padding: 0px;

        margin: 0px;

    }

    #total {

        display: block;

        margin: 7.5vh auto 7.5vh auto;

        min-height: 75vh;

        height: auto;

        padding: 25px;

        text-align: center;

        width: 75vw;

        max-width: 700px;

        background-color: #eee8d5;

    }

</style>

<body>

    <div id="total">

        <h1>Factorial Series</h1>

        <br><br>

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

            Enter the Number:<br>

            <input type="number" name="input" id="input" value="5">

            <br><br>

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

        </form>

        <br><br>

        <br><br><br>

        <br><br><br>

        <p style="text-align:center;"> Scripted by <a href="https://github.com/rpranaykumarreddy" tarPOST="\_blank">R Pranay Kumar Reddy</a></p>

    </div>

</body>

</html>

Code: ind.php

<!DOCTYPE html>

<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">

    <meta name="author" content="Ravula Pranay Kumar Reddy">

    <link rel="icon" href="https://rpranaykumarreddy.github.io/RPKR.png">

    <link rel="apple-touch-icon" sizes="180x180" href="https://rpranaykumarreddy.github.io/apple-touch-icon.png">

    <link rel="icon" type="image/png" sizes="32x32" href="https://rpranaykumarreddy.github.io/favicon-32x32.png">

    <link rel="icon" type="image/png" sizes="16x16" href="https://rpranaykumarreddy.github.io/favicon-16x16.png">

<title>Factorial Series</title>

</head>

<style>

\* {

    padding: 0px;

    margin: 0px;

}

#total{

    display: block;

    margin: 7.5vh auto 7.5vh auto;

    min-height: 75vh;

    height: auto;

    padding: 25px;

    text-align: center;

    width: 75vw;

    max-width: 700px;

    background-color: #eee8d5;}

</style>

<body>

    <div id="total">

    <h3>Output Factorial Series</h3>

    <br><br>

<?php

    $fact = 1;

    $number = $\_POST['input'];

    echo "series of Factorials: <br><br>";

    for ($i = 1; $i <= $number; $i++){

        $fact = $fact \* $i;

        echo "$fact";

        if((($i)%5)==0){echo"<br>";}else{

            echo "&#160;&#160;&#160;&#160;&#160;";

        }

    }

    echo "<br><br>Factorial of $number : $fact";

echo "<br><br><a href=\"index.html\">Back</a>"

?>

<br><br><br>

<br><br><br>

<p style="text-align:center;"> Scripted by <a href="https://github.com/rpranaykumarreddy" tarPOST="\_blank">R Pranay Kumar Reddy</a></p>

</div>

</body>

</html>

2.2) Develop a PHP document to generate Fibonacci series of number submitted by web user through an html form

Code:

<!DOCTYPE html>

<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">

    <meta name="author" content="Ravula Pranay Kumar Reddy">

    <link rel="icon" href="https://rpranaykumarreddy.github.io/RPKR.png">

    <link rel="apple-touch-icon" sizes="180x180" href="https://rpranaykumarreddy.github.io/apple-touch-icon.png">

    <link rel="icon" type="image/png" sizes="32x32" href="https://rpranaykumarreddy.github.io/favicon-32x32.png">

    <link rel="icon" type="image/png" sizes="16x16" href="https://rpranaykumarreddy.github.io/favicon-16x16.png">

    <title>Fibonacci series</title>

    <style>

\* {

    padding: 0px;

    margin: 0px;

}

#total{

    display: block;

    margin: 7.5vh auto 7.5vh auto;

    min-height: 75vh;

    height: auto;

    padding: 25px;

    text-align: center;

    width: 75vw;

    max-width: 700px;

    background-color: #eee8d5;}

</style>

</head>

<body>

<div id="total">

<?php $st\_num=10;if(isset($\_POST['submit'])){$st\_num=$\_POST['number'];}?>

    <h1>Fibonacci series</h1><br><br>

    <form action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>" method="post">

        Enter No. of Terms :<br>

        <input type="number" name="number" id="number" value="<?php echo $st\_num; ?>"><br><br>

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

    </form><br><br><br>

<?php

if (isset($\_POST['submit']))

{

$num = $\_POST['number'];

echo "Fibonacci series:<br>";

function series($num){

    if($num == 0){

    return 0;

    }else if( $num == 1){

        return 1;

    }  else {

        return (series($num-1) + series($num-2));

    }

}   echo "<p>";

for ($i = 0; $i < $num; $i++){

echo series($i);

if((($i+1)%5)==0){echo"<br>";}else{

    echo "&#160;&#160;&#160;&#160;&#160;";

}

}

echo "</p>";

}

?>

<br><br><br>

<br><br><br>

<p style="text-align:center;"> Scripted by <a href="https://github.com/rpranaykumarreddy" tarPOST="\_blank">R Pranay Kumar Reddy</a></p>

</div>

</body>

</html>

**Experiment - 3**

3.1) Develop a PHP document to evaluate temperature in Celsius as web user submit temperature in Fahrenheit, Kelvin through an HTML form.

Code:

<?php

function f2c($temp)

{

    $c=5/9\*($temp-32);

    return $c;

}

function f2k($temp)

{

    $k=f2c($temp) + 273;

    return $k;

}

function c2f($temp)

{

    $f=$temp\*9/5+32;

    return $f;

}

function c2k($temp)

{

    $k=$temp+273;

    return $k;

}

function k2f($temp)

{

    $f=9/5\*($temp-273)+32;

    return $f;

}

function k2c($temp)

{

    $c=$temp-273;

    return $c;

}?>

<html>

<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">

    <meta name="author" content="Ravula Pranay Kumar Reddy">

    <link rel="icon" href="https://rpranaykumarreddy.github.io/RPKR.png">

    <link rel="apple-touch-icon" sizes="180x180" href="https://rpranaykumarreddy.github.io/apple-touch-icon.png">

    <link rel="icon" type="image/png" sizes="32x32" href="https://rpranaykumarreddy.github.io/favicon-32x32.png">

    <link rel="icon" type="image/png" sizes="16x16" href="https://rpranaykumarreddy.github.io/favicon-16x16.png">

    <title>Temperature converter</title>

    <style>

\* {

    padding: 0px;

    margin: 0px;

}

#total{

    display: block;

    margin: 7.5vh auto 7.5vh auto;

    min-height: 75vh;

    height: auto;

    padding: 25px;

    text-align: center;

    width: 75vw;

    max-width: 700px;

    background-color: #eee8d5;}

</style>

</head>

<body>

<div id="total">

    <h1>Temperature converter</h1>

<?php

$st\_num=0;

if(isset($\_POST['btn'])){

    $st\_ty=$\_POST['type'];

    $st\_num=$\_POST['temp'];

}

?>

    <br><br>

    <form action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>" method="post">

    <p>Input Value</p>

        <input type="number" name="temp" value="<?php echo $st\_num; ?>">

        <select name="type">

            <option value="celsius"  <?php if (isset($st\_ty) && $st\_ty=="celsius") echo "selected";?>>Celsius</option>

            <option value="fahrenheit" <?php if (isset($st\_ty) && $st\_ty=="fahrenheit") echo "selected";?>>Fahrenheit</option>

            <option value="kelvin" <?php if (isset($st\_ty) && $st\_ty=="kelvin") echo "selected";?>> Kelvin</option>

        </select>

        <br><br>

        <input type="submit" name="btn" value="Convert">

        <br><br><br>

<?php

if(isset($\_POST['btn'])){

    $type=$\_POST['type'];

    $temp=$\_POST['temp'];

    if ($type=='fahrenheit')

    {

        $kelvin=f2k($temp);

        $celsius=f2c($temp);

        echo "$temp Fahrenheit = $kelvin Kelvin <br>$temp Fahrenheit = $celsius Celsius";

    }

    if ($type=='celsius')

    {

        $kelvin=c2k($temp);

        $fahrenheit=c2f($temp);

        echo "$temp Celsius   = $kelvin Kelvin <br>$temp Celsius  = $fahrenheit Fahrenheit ";

    }

    if ($type=='kelvin')

    {

        $fahrenheit=k2f($temp);

        $celsius=k2c($temp);

        echo "$temp Kelvin  = $fahrenheit Fahrenheit <br>$temp Kelvin  = $celsius Celsius";

    }

}

?>

    </form>

<br><br><br>

<p style="text-align:center;"> Scripted by <a href="https://github.com/rpranaykumarreddy" target="\_blank">R Pranay Kumar Reddy</a></p>

</div>

</body>

</html>

3.2) Develop a PHP document to evaluate money in rupee as web user submit in dollar through an HTML form.

Code:

<?php

function r2d($in)

{

    $d=$in/75;

    return $d;

}

function d2r($in)

{

    $r=$in\*75;

    return $r;

}?>

<html>

<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">

    <meta name="author" content="Ravula Pranay Kumar Reddy">

    <link rel="icon" href="https://rpranaykumarreddy.github.io/RPKR.png">

    <link rel="apple-touch-icon" sizes="180x180" href="https://rpranaykumarreddy.github.io/apple-touch-icon.png">

    <link rel="icon" type="image/png" sizes="32x32" href="https://rpranaykumarreddy.github.io/favicon-32x32.png">

    <link rel="icon" type="image/png" sizes="16x16" href="https://rpranaykumarreddy.github.io/favicon-16x16.png">

    <title>Rupee & Dollar converter</title>

    <style>

\* {

    padding: 0px;

    margin: 0px;

}

#total{

    display: block;

    margin: 7.5vh auto 7.5vh auto;

    min-height: 75vh;

    height: auto;

    padding: 25px;

    text-align: center;

    width: 75vw;

    max-width: 700px;

    background-color: #eee8d5;}

</style>

</head>

<body>

<div id="total">

    <h1>Rupee & Dollar converter</h1>

    <?php

$st\_num=0;

if(isset($\_POST['btn'])){

    $st\_ty=$\_POST['type'];

    $st\_num=$\_POST['temp'];

}

?>

    <br><br>

    <form action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>" method="post">

        <p>Input Value</p>

        <input type="number" name="temp" value="<?php echo $st\_num; ?>"  style="max-width: 100px;">

        <select name="type">

            <option value="rupee"  <?php if (isset($st\_ty) && $st\_ty=="rupee") echo "selected";?>>rupee</option>

            <option value="dollar" <?php if (isset($st\_ty) && $st\_ty=="dollar") echo "selected";?>>dollar</option>

            </select>

        <br><br>

        <input type="submit" name="btn" value="Convert">

        <br><br><br>

<?php

if(isset($\_POST['btn'])){

    $type=$\_POST['type'];

    $temp=$\_POST['temp'];

    if ($type=='rupee')

    {

        $dollar=r2d($temp);

        echo "$temp Rupee = $dollar Dollar";

    }

    if ($type=='dollar')

    {

        $rupee=d2r($temp);

        echo "$temp Dollar = $rupee Rupee";

    }

}

?>

    </form>

<br><br><br>

<p style="text-align:center;"> Scripted by <a href="https://github.com/rpranaykumarreddy" target="\_blank">R Pranay Kumar Reddy</a></p>

</div>

</body>

</html>

**Experiment-4**

4.1) Develop a single PHP document, Which have the code for HTML form and PHP code for evaluating Factorial of the number submitted through an HTML form.

Code:

<!DOCTYPE html>

<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">

    <meta name="author" content="Ravula Pranay Kumar Reddy">

    <link rel="icon" href="https://rpranaykumarreddy.github.io/RPKR.png">

    <link rel="apple-touch-icon" sizes="180x180" href="https://rpranaykumarreddy.github.io/apple-touch-icon.png">

    <link rel="icon" type="image/png" sizes="32x32" href="https://rpranaykumarreddy.github.io/favicon-32x32.png">

    <link rel="icon" type="image/png" sizes="16x16" href="https://rpranaykumarreddy.github.io/favicon-16x16.png">

<title>Calculate Factorial</title>

</head>

<style>

\* {

    padding: 0px;

    margin: 0px;

}

#total{

    display: block;

    margin: 7.5vh auto 7.5vh auto;

    min-height: 75vh;

    height: auto;

    padding: 25px;

    text-align: center;

    width: 75vw;

    max-width: 700px;

    background-color: #eee8d5;}

</style>

<body>

    <div id="total">

    <h1>Calculate Factorial</h1>

    <br><br>

<?php $st\_num=0; if(isset($\_POST['submit'])){$st\_num=$\_POST['input'];}?>

<form action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>" method="post">

    Enter the Number:<br>

    <input type="number" name="input" id="input" value="<?php echo $st\_num; ?>">

    <br><br>

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

</form>

<br><br><br><br>

<?php

if (isset($\_POST['submit']))

{

    $fact = 1;

    $number = $\_POST['input'];

    for ($i = 1; $i <= $number; $i++){

        $fact = $fact \* $i;

    }

    echo "Factorial of $number : $fact";

}

?>

<br><br><br>

<br><br><br>

<br><br><br>

<p style="text-align:center;"> Scripted by <a href="https://github.com/rpranaykumarreddy" tarPOST="\_blank">R Pranay Kumar Reddy</a></p>

</div>

</body>

</html>

4.2) Develop a single PHP document, Which have the code for HTML form and PHP code for evaluating square of the number submitted through an HTML form.

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">

    <meta name="author" content="Ravula Pranay Kumar Reddy">

    <link rel="icon" href="https://rpranaykumarreddy.github.io/RPKR.png">

    <link rel="apple-touch-icon" sizes="180x180" href="https://rpranaykumarreddy.github.io/apple-touch-icon.png">

    <link rel="icon" type="image/png" sizes="32x32" href="https://rpranaykumarreddy.github.io/favicon-32x32.png">

    <link rel="icon" type="image/png" sizes="16x16" href="https://rpranaykumarreddy.github.io/favicon-16x16.png">

    <title>Square Calculator</title>

    <style>

\* {

    padding: 0px;

    margin: 0px;

}

#total{

    display: block;

    margin: 7.5vh auto 7.5vh auto;

    min-height: 75vh;

    height: auto;

    padding: 25px;

    text-align: center;

    width: 75vw;

    max-width: 700px;

    background-color: #eee8d5;}

</style>

</head>

<body>

<div id="total">

<h1>Square Calculator</h1>

    <br><br>

<?php $st\_num=0; if(isset($\_POST['submit'])){$st\_num=$\_POST['num'];}?>

    <form action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>" method="post">

        <p>Enter Number : </p>

        <input type="number" name="num" value="<?php echo $st\_num; ?>"><br><br>

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

        <br>

    </form>

<br><br><br><br>

<?php

if (isset($\_POST['submit']))

{

    $num=$\_POST['num'];

    $out=$num\*$num;

    echo "Square of $num:<b> $out</b>";

}

?>

   <br><br><br>

   <br><br><br>

   <br><br><br>

<p style="text-align:center;"> Scripted by <a href="https://github.com/rpranaykumarreddy" target="\_blank">R Pranay Kumar Reddy</a></p>

</div>

</body>

</html>

**Experiment-5**

5.1) Develop a PHP document for implementing student registration functionality. Design an MySQL table registration. After fill the registration form and submit, data should be saved in the table.

Code:

<!DOCTYPE html>

<html>

<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">

    <meta name="author" content="Ravula Pranay Kumar Reddy">

    <link rel="icon" href="https://rpranaykumarreddy.github.io/RPKR.png">

    <link rel="apple-touch-icon" sizes="180x180" href="https://rpranaykumarreddy.github.io/apple-touch-icon.png">

    <link rel="icon" type="image/png" sizes="32x32" href="https://rpranaykumarreddy.github.io/favicon-32x32.png">

    <link rel="icon" type="image/png" sizes="16x16" href="https://rpranaykumarreddy.github.io/favicon-16x16.png">

    <title>Registration</title>

    <style>

\* {

    padding: 0px;

    margin: 0px;

}

#total{

    display: block;

    margin: 7.5vh auto 7.5vh auto;

    min-height: 75vh;

    height: auto;

    padding: 25px;

    text-align: center;

    width: 75vw;

    max-width: 700px;

    background-color: #eee8d5;}

</style>

</head>

<body>

<div id="total">

    <h1>Registration</h1>

<?php

$id='';

$name='';

$mail='';

$deptt='';

if(isset($\_POST['btn'])){

$st\_ty=$\_POST['dept'];

$server="localhost";

$username="root";

$password="";

$DB="assignment";

$con=mysqli\_connect($server,$username,$password,$DB);

if(!$con)

{die("connection to this database failed due to". mysqli\_connect\_error());}else{

$id=$\_POST['id'];

$name=$\_POST['name'];

$mail=$\_POST['email'];

$deptt=$\_POST['dept'];

$sql = "SELECT id, fullname, email,dept FROM reg WHERE id='$id'";

$mach = mysqli\_query($con, $sql);

$sql = "INSERT INTO reg (`id`, `fullname`, `email`, `dept`) VALUES

('$id', '$name', '$mail', '$deptt');";

if (mysqli\_num\_rows($mach) > 0) {

  while($row = mysqli\_fetch\_assoc($mach)) {

    echo "The Roll No choosen by you is already taken by ". $row["fullname"] ."<br>";

  }

}else if (mysqli\_query($con, $sql)) {

  echo "your Registration is successful";

} else {

  echo "Error: ". mysqli\_error($con);

}

}

mysqli\_close($con);

}else{

    echo("");

}

?>

    <br><br>

    <form style="text-align: left;margin-left:6%;" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>" method="post">

    <p>Roll No<span style="color:red;">\*</span></p>

    <input type="text" name="id" value="<?php echo $id ?>"><br><br>

    <p>Full Name<span style="color:red;">\*</span></p>

    <input type="text" name="name" value="<?php echo $name ?>"><br><br>

    <p>E-Mail address<span style="color:red;">\*</span></p>

    <input type="text" name="email" value="<?php echo $mail ?>"><br><br>

    <p>Department<span style="color:red;">\*</span></p>

    <select name="dept">

            <option value="CSE" <?php if (isset($st\_ty) && $st\_ty=="CSE") echo "selected";?>>CSE</option>

            <option value="ECE" <?php if (isset($st\_ty) && $st\_ty=="ECE") echo "selected";?>>ECE</option>

            <option value="IT" <?php if (isset($st\_ty) && $st\_ty=="IT") echo "selected";?>>IT</option>

    </select><br><br><br>

    <div  style="text-align: center;">

<input type="submit" name="btn" value="Submit"></div>

    </form>

<br><br><br>

<p style="text-align:center;"> Scripted by <a href="https://github.com/rpranaykumarreddy" target="\_blank">R Pranay Kumar Reddy</a></p>

</div>

</body>

</html>

5.2) Develop a single PHP document to display registered students from the table using PHP, MySQL.

Code:

<!DOCTYPE html>

<html>

<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">

    <meta name="author" content="Ravula Pranay Kumar Reddy">

    <link rel="icon" href="https://rpranaykumarreddy.github.io/RPKR.png">

    <link rel="apple-touch-icon" sizes="180x180" href="https://rpranaykumarreddy.github.io/apple-touch-icon.png">

    <link rel="icon" type="image/png" sizes="32x32" href="https://rpranaykumarreddy.github.io/favicon-32x32.png">

    <link rel="icon" type="image/png" sizes="16x16" href="https://rpranaykumarreddy.github.io/favicon-16x16.png">

    <title>Registration</title>

    <style>

\* {

    padding: 0px;

    margin: 0px;

}

#total{

    display: block;

    margin: 7.5vh auto 7.5vh auto;

    min-height: 75vh;

    height: auto;

    padding: 25px;

    text-align: center;

    width: 75vw;

    max-width: 700px;

    background-color: #eee8d5;}

    table{

    border:2px solid #000;

    width:90%;

    margin:0px 5%;

    border-collapse: collapse;

    }

    th,td{

        border-collapse:collapse;

    border:2px solid #000;

    }

</style>

</head>

<body>

<div id="total">

    <h1>Registration</h1>

    <br>

    <br>

    <br>

    <br>

<?php

$server="localhost";

$username="root";

$password="";

$DB="assignment";

$con=mysqli\_connect($server,$username,$password,$DB);

if(!$con)

{die("connection to this database failed due to". mysqli\_connect\_error());}else{

$sql = "SELECT id, fullname, email, dept FROM reg";

$result = $con->query($sql);

if ($result->num\_rows > 0) {

    echo "<table ><tr><th>ID</th><th>Full Name</th><th>E-mail</th><th>Dept</th></tr>";

    while($row = $result->fetch\_assoc()) {

        echo "<tr><td>". $row["id"]. "</td><td>". $row["fullname"]. "</td><td>" . $row["email"] ."</td><td>" . $row["dept"] ."</td></tr>";

    }

    echo "</table>";

} else {

    echo "0 results";

}

}

mysqli\_close($con);

?>

<br><br><br>

<p style="text-align:center;"> Scripted by <a href="https://github.com/rpranaykumarreddy" target="\_blank">R Pranay Kumar Reddy</a></p>

</div>

</body>

</html>