# EXPERIMENT – 5

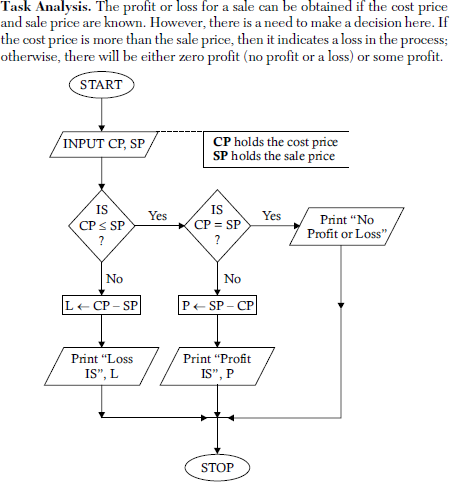
**Working with in PHP**

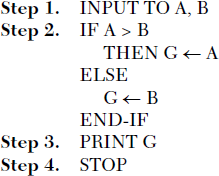
**Aim:** To develop web pages to perform operations by fetching data from Forms and control structures in PHP .

# List of Activities:

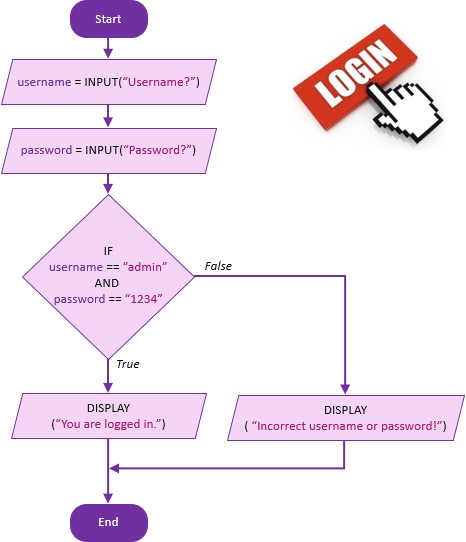
1. Create a calculator web application that fetch 2 input from user and calculates the answer accordingly through server side scripting. The application should have a menu and these functions are used as a choice.(Refer Math functions in javatpoint)
   * Add
   * Sub
   * Mul
   * Divide
   * The sqrt() function returns square root of given argument.
   * The sin() is used to return the sine of a number.
   * The rand() is used to generates a random integer.
   * The pow() is used to return x raised to the power of y.

1. Implement the below Algorith/Flowchart in PHP.

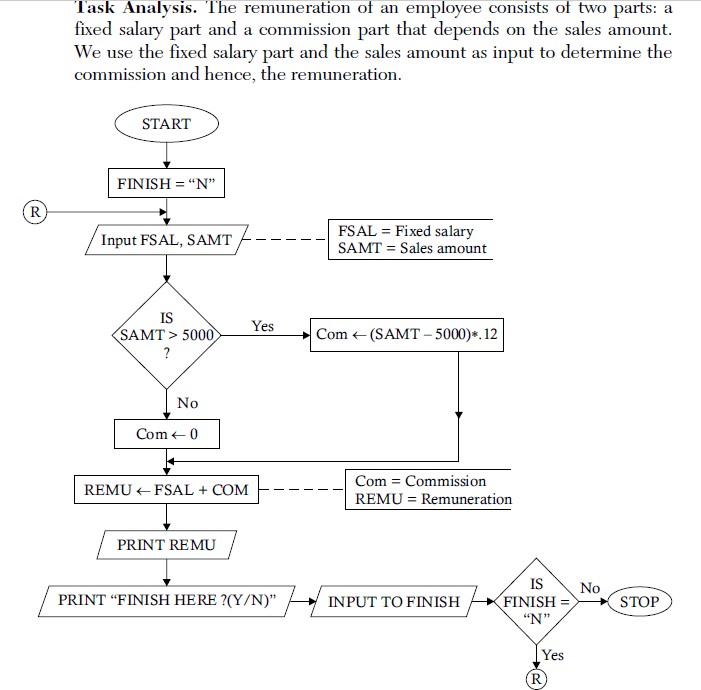


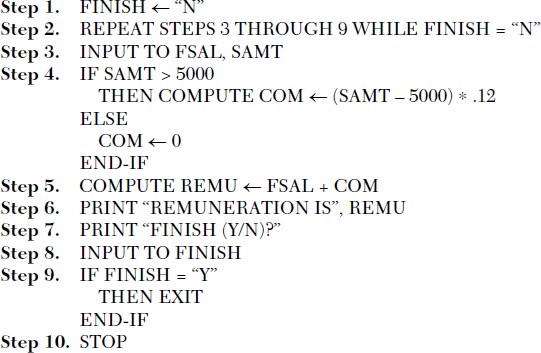


1. Demonstrate the Login process as given in the flowchart using PHP.



1. Implement the algorithm/flowchart in PHP.





Solution1:

Html code:

<html>

<body>

<form method="post" action="add1.php">

 First Number:

<input type="number" name="number1" /><br><br>

 Second Number:

<input type="number" name="number2" /><br><br>

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

<input  type="submit" name="submit1" value="SUB">

<input  type="submit" name="submit2" value="MUL">

<input  type="submit" name="submit3" value="DIV">

<input  type="submit" name="submit4" value="POW">

<input  type="submit" name="submit5" value="SQU">

<input  type="submit" name="submit6" value="RAND">

<input  type="submit" name="submit7" value="SIN">

</form>

</body>

</html>

Php code:

<?php

    if(isset($\_POST['submit']))

    {

        $number1 = $\_POST['number1'];

        $number2 = $\_POST['number2'];

        $sum =  $number1+$number2;

echo " ADDITION is: ".$sum;

}

if(isset($\_POST['submit1']))

    {

        $number1 = $\_POST['number1'];

        $number2 = $\_POST['number2'];

        $sub =  $number1-$number2;

echo "SUBTRACTION is: ".$sub;

}

if(isset($\_POST['submit2']))

    {

        $number1 = $\_POST['number1'];

        $number2 = $\_POST['number2'];

        $mul =  $number1\*$number2;

echo "MULTIPLICATION is: ".$mul;

}

if(isset($\_POST['submit3']))

    {

        $number1 = $\_POST['number1'];

        $number2 = $\_POST['number2'];

        $div =  $number1/$number2;

echo "DIVISION is: ".$div;

}

if(isset($\_POST['submit4']))

    {

        $number1 = $\_POST['number1'];

        $number2 = $\_POST['number2'];

        $power =  pow($number1,$number2);

echo "POWER is: ".$power;

}

if(isset($\_POST['submit5']))

    {

        $number1 = $\_POST['number1'];

        $number2 = $\_POST['number2'];

        $sum =  $number1+$number2;

echo "SRUARE ROOT is: ".sqrt($sum);

}

if(isset($\_POST['submit6']))

    {

echo "random number is: ".(rand(). "<br>");

}

if(isset($\_POST['submit7']))

    {

        $number1 = $\_POST['number1'];

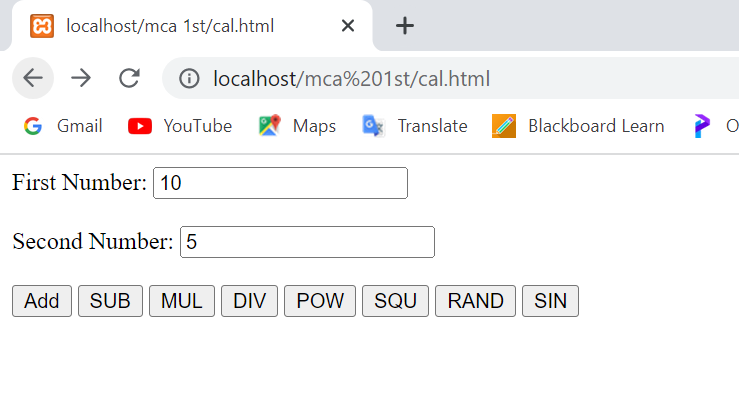
        $number2 = $\_POST['number2'];

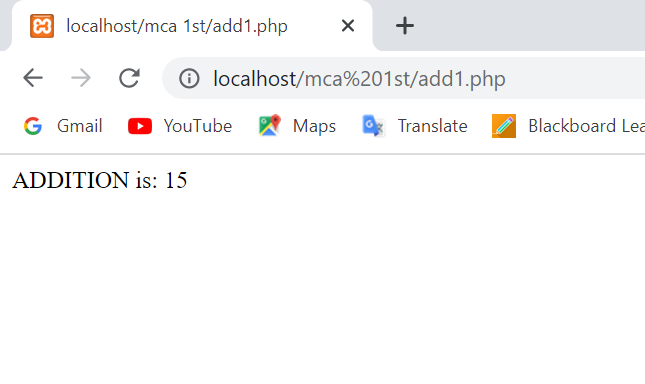
        $sum =  $number1+$number2;

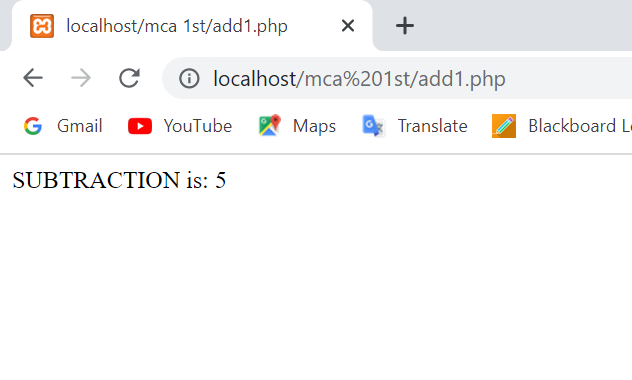
echo "Sin number is: ".sin($sum);

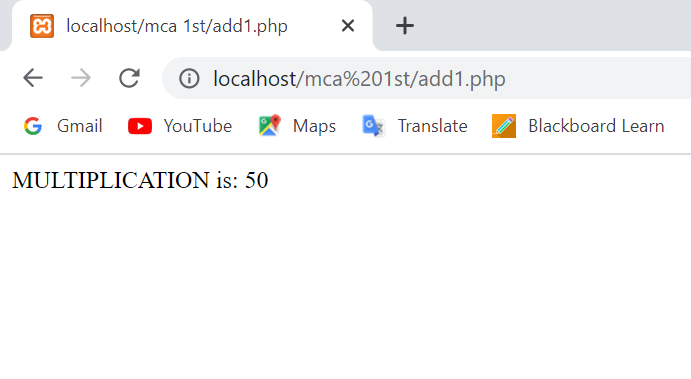
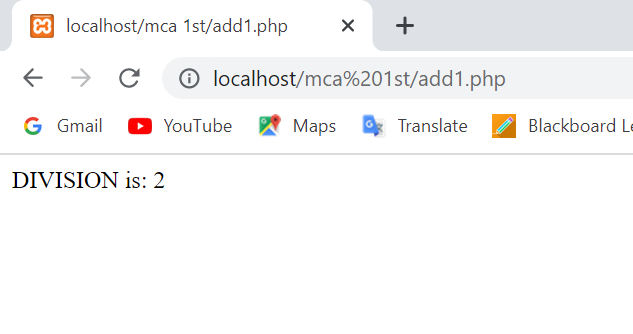
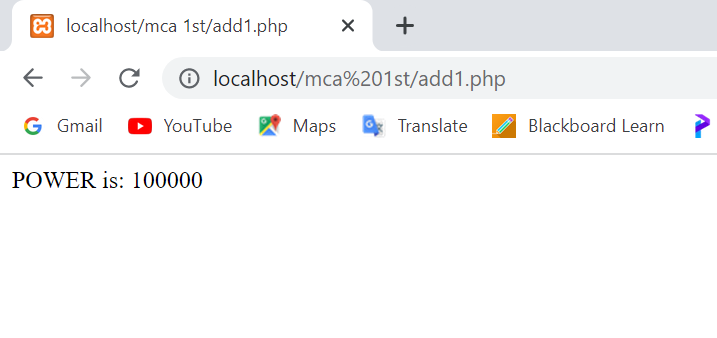
}

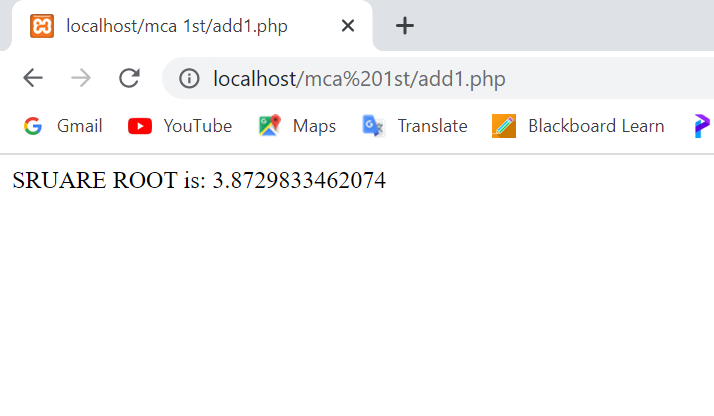
Output:

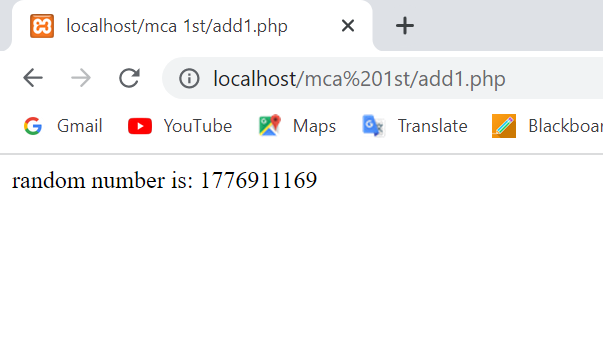


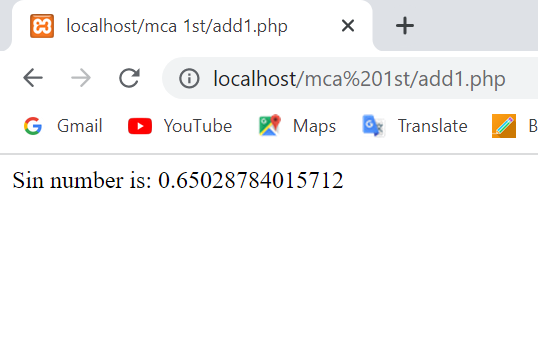










Solution2:

Php 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>

<table>

        <form action="profitloss.php" method="get">

            <tr>

                <td>Cost price</td>

                <td><input type="text" name="cp"></td>

            </tr>

            <tr>

                <td>Selling Price</td>

                <td><input type="text" name="sp"></td>

            </tr>

            <tr>

                <td><input type="submit" class="Button" name="run"></td>

            </tr>

        </form>

    </table>

</body>

<?php

    if(array\_key\_exists("run",$\_GET))

    {

        calculate\_net();

    }

    function calculate\_net()

    {

        $l=0;

        $p =0;

        echo("<pre>");

        $cost = $\_GET["cp"];

        $sell = $\_GET["sp"];

        if($cost == $sell)

        {

            echo("\nOn par sale");

        }

        else if($cost > $sell)

        {

            $l = $cost-$sell;

            echo("\nLoss incured: ".$l);

        }

        else

        {

            $p = $sell-$cost;

            echo("\nProfit: ".$p);

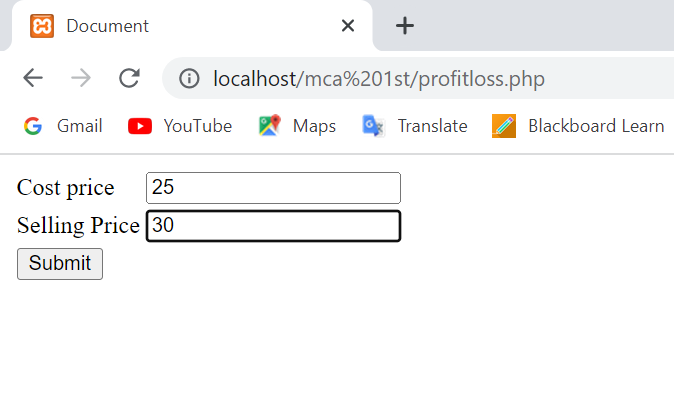
        }

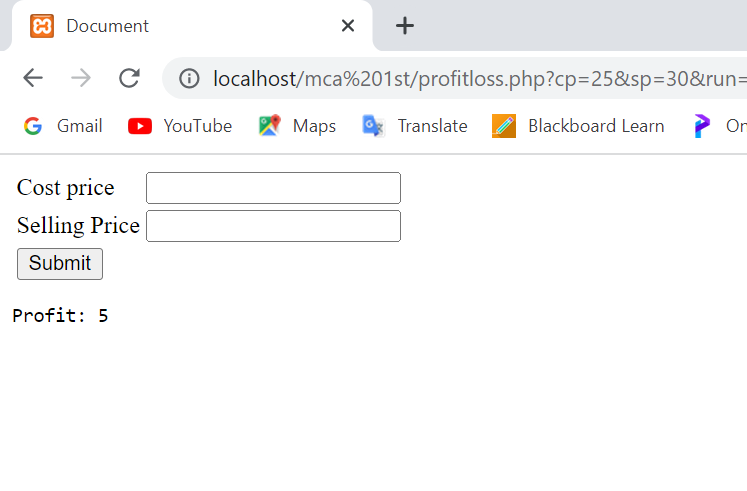
    }

?>

</html>

Output:





Solution3:

Html CODE:

<html>

    <head>

        LOG IN NAME AND PASSWORD<br>

    </head>

    <body>

        <form  method="GET" action="samp.php">

            USERNAME <input type="text" name="name"/><br>

            PASSWORD <input type="password" name="p1"/><br>

            <input type="submit">

        </form>

    </body>

</html>

PHP CODE:

<?php

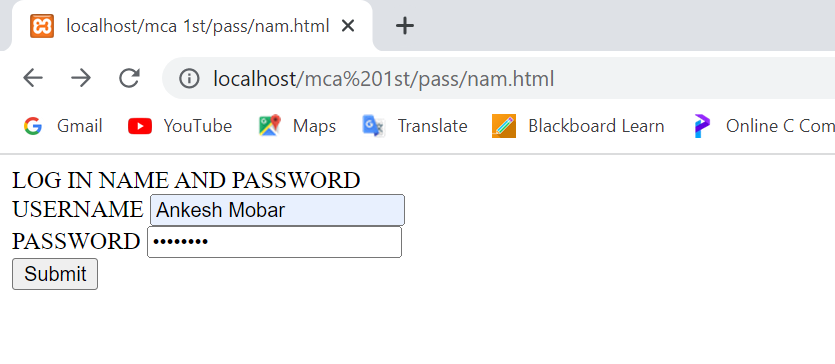
$name = $\_GET["name"];

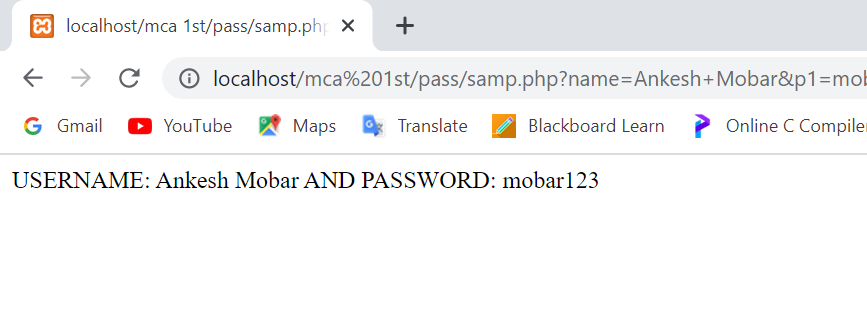
$password = $\_GET["p1"];

echo"USERNAME: $name AND PASSWORD: $password";

?>

OUTPUT:





Solution4:

PHP 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>

    <form action="employee.php" method="get">

            <tr>

                <td>Fixed Salary</td>

                <td><input type="text" name="fs"></td>

            </tr>

            <tr>

                <td>Sales Amount</td>

                <td><input type="text" name="sa"></td>

            </tr>

            <tr>

                <td><input type="submit" class="Button" name="run"></td>

            </tr>

    </form>

</body>

<?php

    if(array\_key\_exists("run",$\_GET))

    {

        validate();

    }

    function validate()

    {

        $sa = $\_GET["sa"];

        $fs = $\_GET["fs"];

        $comm = 0;

        if($sa > 5000)

        {

            $comm = ($sa-5000) \*12;

            echo("<pre>"."\nEligible for commision");

        }

        else

        {

            echo("<pre>"."\nIneligible for commission");

        }

        echo("\nSalary is: ".($fs+$comm)."</pre>");

    }

?>

</html>

OUTPUT:

