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# PHP

## Assignment-2

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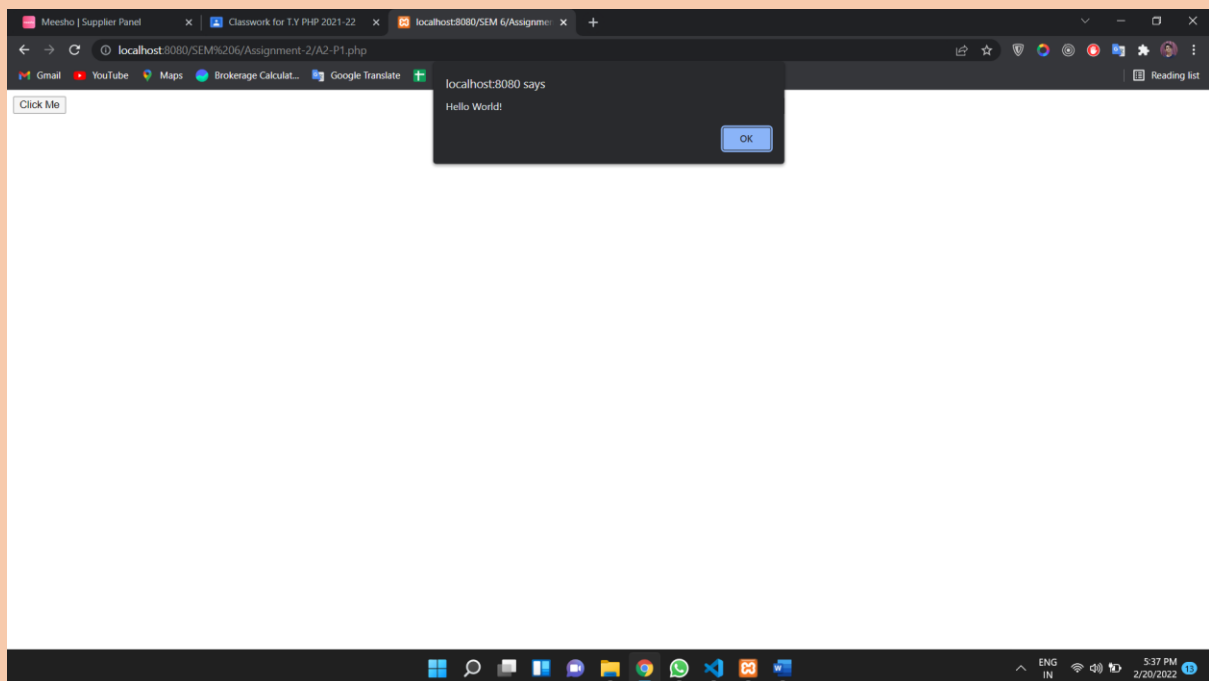# 1. Write JavaScript code for print Hello Computer message using alert box.

```
<html>
  <body>

    <button onClick="myFunction()"> Click Me </button>
    <script>

      function myFunction(){
        alert("Hello World!");
    }
    </script>

  </body>
</html>
```



# 2. Write a JavaScript code for Client side validation.

```
<!DOCTYPE html>
<html>
<head>
<style>
.error {color: #FF0001;}
</style>
```

```php
</head>
<body>

<?php
// define variables to empty values
$nameErr = $emailErr = $mobilenoErr = $genderErr = $websiteErr = $agreeErr =
"";
$name = $email = $mobileno = $gender = $website = $agree = "";

//Input fields validation
if ($_SERVER["REQUEST_METHOD"] == "POST") {

//String Validation
    if (empty($_POST["name"])) {
        $nameErr = "Name is required";
    } else {
        $name = input_data($_POST["name"]);
            // check if name only contains letters and whitespace
            if (!preg_match("/^[a-zA-Z ]*$/",$name)) {
                $nameErr = "Only alphabets and white space are allowed";
            }
    }

    //Email Validation
    if (empty($_POST["email"])) {
            $emailErr = "Email is required";
    } else {
            $email = input_data($_POST["email"]);
            // check that the e-mail address is well-formed
            if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
                $emailErr = "Invalid email format";
            }
     }

    //Number Validation
    if (empty($_POST["mobileno"])) {
            $mobilenoErr = "Mobile no is required";
    } else {
            $mobileno = input_data($_POST["mobileno"]);
            // check if mobile no is well-formed
            if (!preg_match ("/^[0-9]*$/", $mobileno) ) {
            $mobilenoErr = "Only numeric value is allowed.";
            }
        //check mobile no length should not be less and greator than 10
        if (strlen ($mobileno) != 10) {
            $mobilenoErr = "Mobile no must contain 10 digits.";
            }
    }
```

```php
    //URL Validation
    if (empty($_POST["website"])) {
        $website = "";
    } else {
            $website = input_data($_POST["website"]);
            // check if URL address syntax is valid
            if (!preg_match("/\b(?:(?:https?|ftp):\/\/|www\.)[-a-z0-9+&@#\/%?=~_|!:,.;]*[-a-z0-9+&@#\/%=~_|]/i",$website)) {
                $websiteErr = "Invalid URL";
            }
    }

    //Empty Field Validation
    if (empty($_POST["gender"])) {
            $genderErr = "Gender is required";
    } else {
            $gender = input_data($_POST["gender"]);
    }

    //Checkbox Validation
    if (!isset($_POST['agree'])){
            $agreeErr = "Accept terms of services before submit.";
    } else {
            $agree = input_data($_POST["agree"]);
    }
}
function input_data($data) {
  $data = trim($data);
  $data = stripslashes($data);
  $data = htmlspecialchars($data);
  return $data;
}
?>

<h2>Sport Registration Form</h2>
<span class = "error">* required field </span>
<br><br>
<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>" >
  Roll no:
    <input type="number" name="roll no">
    <span class="error">* <?php echo $nameErr; ?> </span>
<br><br>
    Name:
    <input type="text" name="name">
    <span class="error">* <?php echo $nameErr; ?> </span>
    <br><br>
```

```html
    E-mail:
    <input type="text" name="email">
    <span class="error">* <?php echo $emailErr; ?> </span>
    <br><br>
    Mobile No:
    <input type="text" name="mobileno">
    <span class="error">* <?php echo $mobilenoErr; ?> </span>
    <br><br>
  Birth date:
    <input type="date" name="date">
    <span class="error">* <?php echo $nameErr; ?> </span>
  <br><br>
    Feedback:
   <textarea></textarea>
    <span class="error"><?php echo $websiteErr; ?> </span>
    <br><br>
    Gender:
    <input type="radio" name="gender" value="male"> Male
    <input type="radio" name="gender" value="female"> Female
    <input type="radio" name="gender" value="other"> Other
    <span class="error">* <?php echo $genderErr; ?> </span>
    <br><br>
   Choose Your Game:
    <input type="checkbox" name="game"> Cricket
    <input type="checkbox" name="game"> Chess
    <input type="checkbox" name="game"> Wollyboll
  <input type="checkbox" name="game"> Badminton
    <span class="error">* <?php echo $genderErr; ?> </span>
    <br><br>
    Agree to Terms of Service:
    <input type="checkbox" name="agree">
    <span class="error">* <?php echo $agreeErr; ?> </span>
    <br><br>
    <input type="submit" name="submit" value="Submit">
    <br><br>
</form>

<?php
    if(isset($_POST['submit'])) {
    if($nameErr == "" && $emailErr == "" && $mobilenoErr == "" && $genderErr
== "" && $websiteErr == "" && $agreeErr == "") {
        echo "<h3 color = #FF0001> <b>You have sucessfully registered.</b>
</h3>";
        echo "<h2>Your Input:</h2>";
        echo "Name: " .$name;
        echo "<br>";
        echo "Email: " .$email;
        echo "<br>";
```

```php
        echo "Mobile No: " .$mobileno;
        echo "<br>";
        echo "Website: " .$website;
        echo "<br>";
        echo "Gender: " .$gender;
    } else {
        echo "<h3> <b>You didn't filled up the form correctly.</b> </h3>";
    }
    }
?>


</body>
</html>
```



## 3. Write a program to check valid login id and password using html and JavaScript.

```html
<html>
<body>
<script>
function validateform(){
var name=document.myform.name.value;
var password=document.myform.password.value;

if (name==null || name==""){
  alert("Name can't be blank");
```
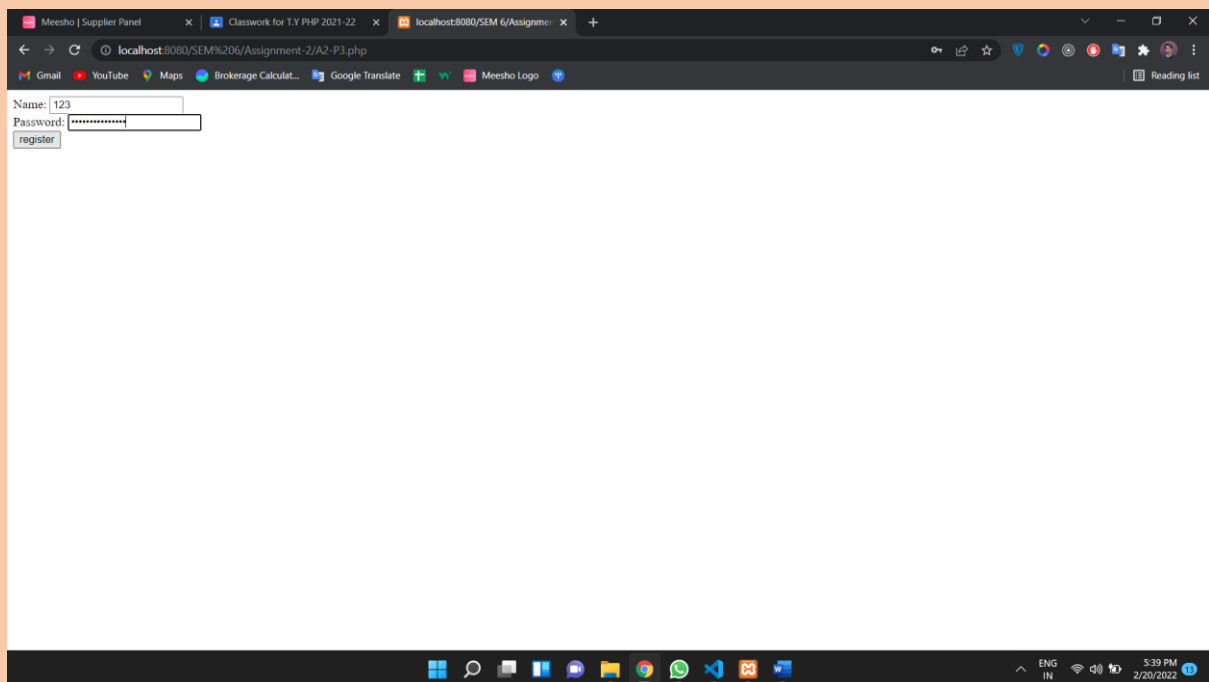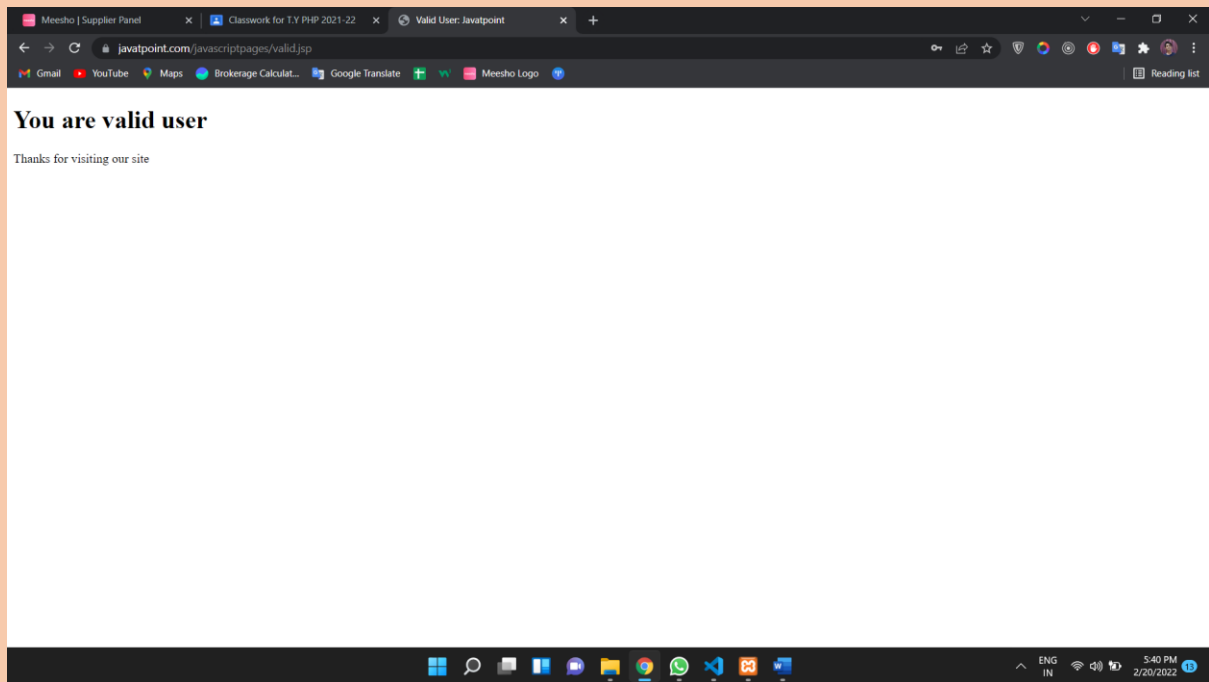
```
    return false;
}else if(password.length<6){
    alert("Password must be at least 6 characters long.");
    return false;
    }
}
</script>
<body>
<form name="myform" method="post"
action="http://www.javatpoint.com/javascriptpages/valid.jsp" onsubmit="return
validateform()" >
Name: <input type="text" name="name"><br/>
Password: <input type="password" name="password"><br/>
<input type="submit" value="register">
</form>
</body>
</html>
```

## 4. Write a PHP program to create calculator using user defined functions.

```php
<!DOCTYPE html>

<head>
    <title>Simple Calculator Program in PHP - Tutorials Class</title>
</head>

<?php
$first_num = $_POST['first_num'];
$second_num = $_POST['second_num'];
$operator = $_POST['operator'];
$result = '';
if (is_numeric($first_num) && is_numeric($second_num)) {
    switch ($operator) {
        case "Add":
            $result = $first_num + $second_num;
             break;
        case "Subtract":
            $result = $first_num - $second_num;
             break;
        case "Multiply":
            $result = $first_num * $second_num;
             break;
        case "Divide":
            $result = $first_num / $second_num;
```
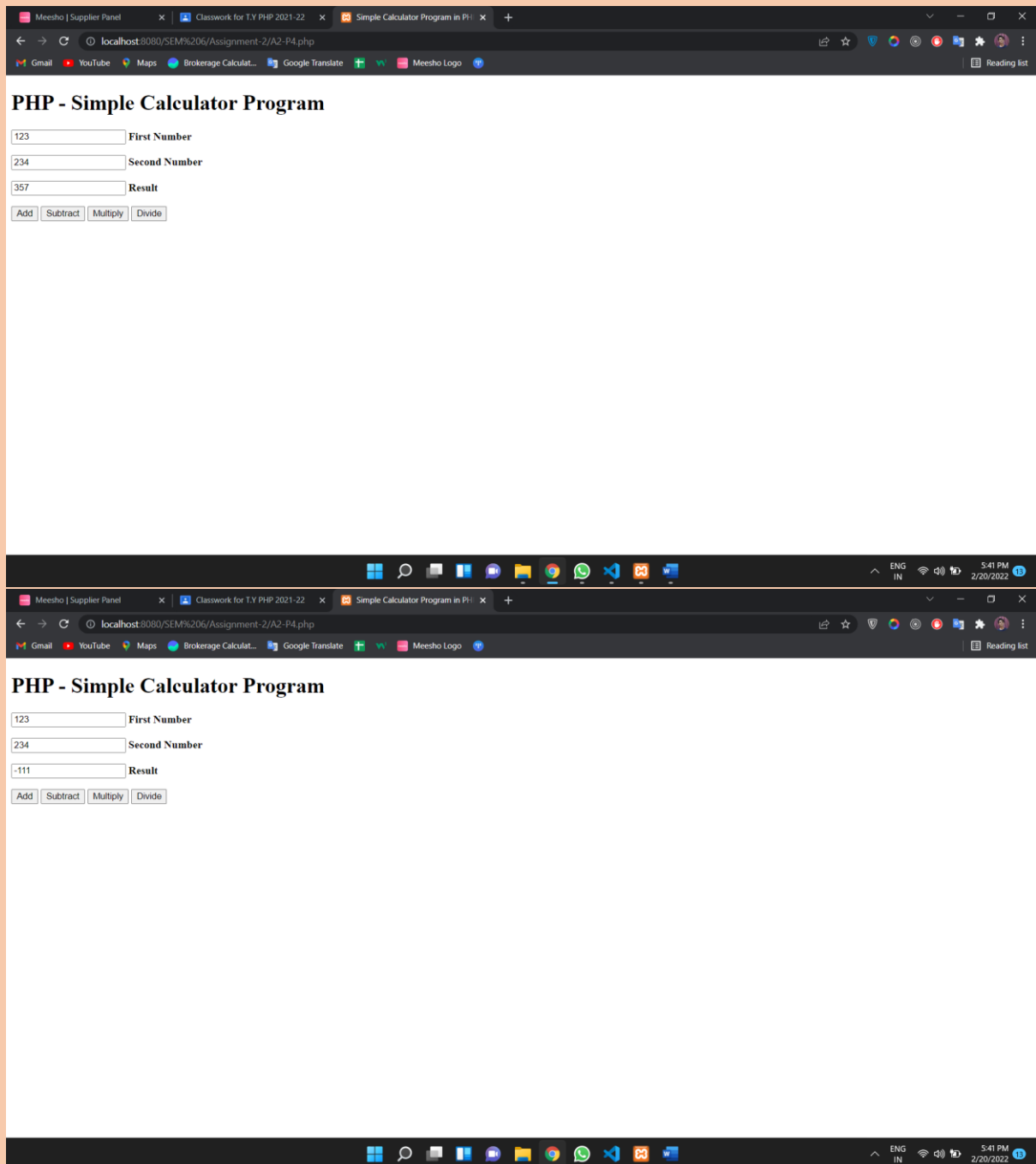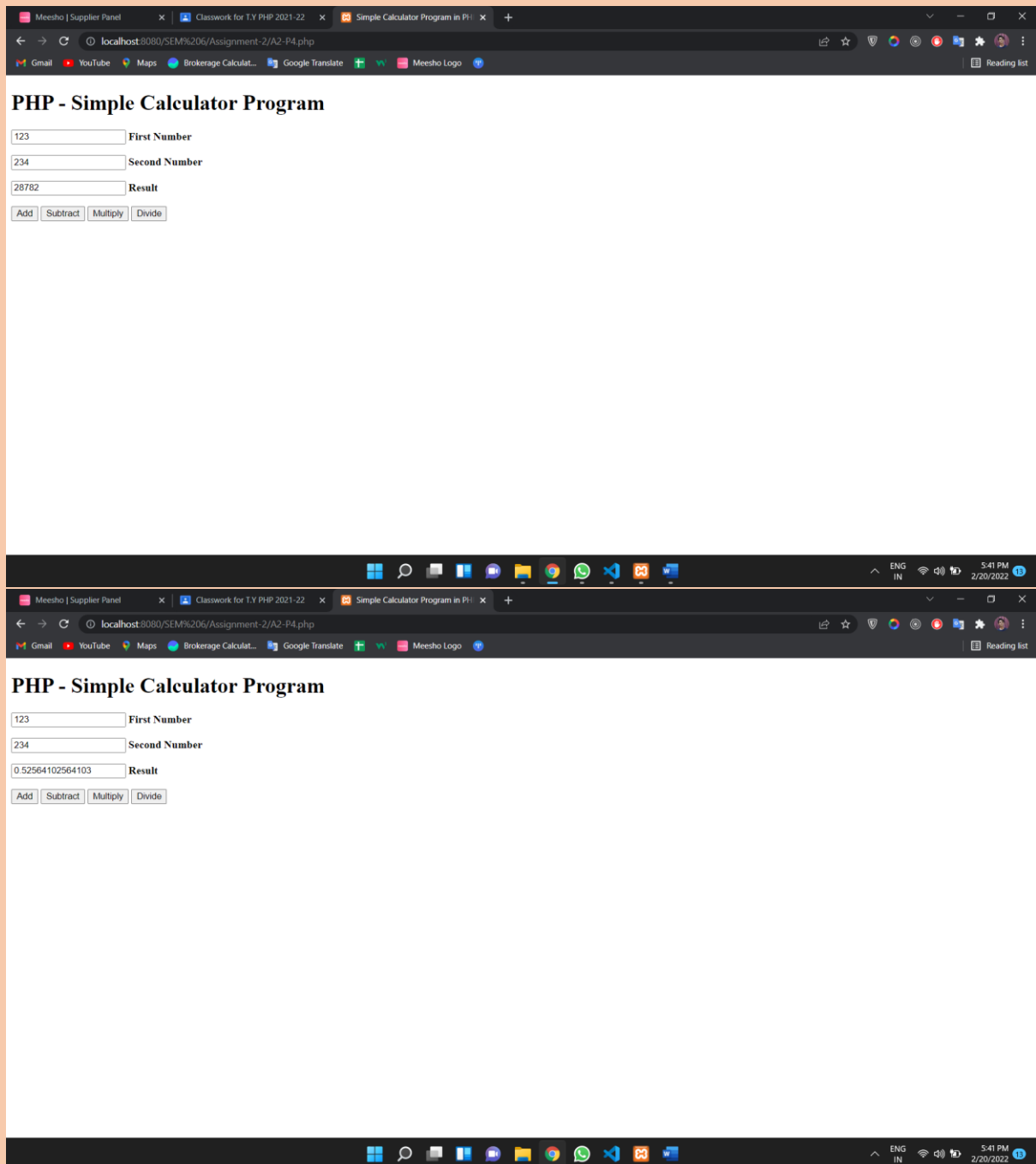
```php
    }
}

?>

<body>
    <div id="page-wrap">
    <h1>PHP - Simple Calculator Program</h1>
      <form action="" method="post" id="quiz-form">
            <p>
                <input type="number" name="first_num" id="first_num"
required="required" value="<?php echo $first_num; ?>" /> <b>First Number</b>
            </p>
            <p>
                <input type="number" name="second_num" id="second_num"
required="required" value="<?php echo $second_num; ?>" /> <b>Second Number</b>
            </p>
            <p>
                <input readonly="readonly" name="result" value="<?php echo
$result; ?>"> <b>Result</b>
            </p>
            <input type="submit" name="operator" value="Add" />
            <input type="submit" name="operator" value="Subtract" />
            <input type="submit" name="operator" value="Multiply" />
            <input type="submit" name="operator" value="Divide" />
    </form>
    </div>
</body>
</html>
```
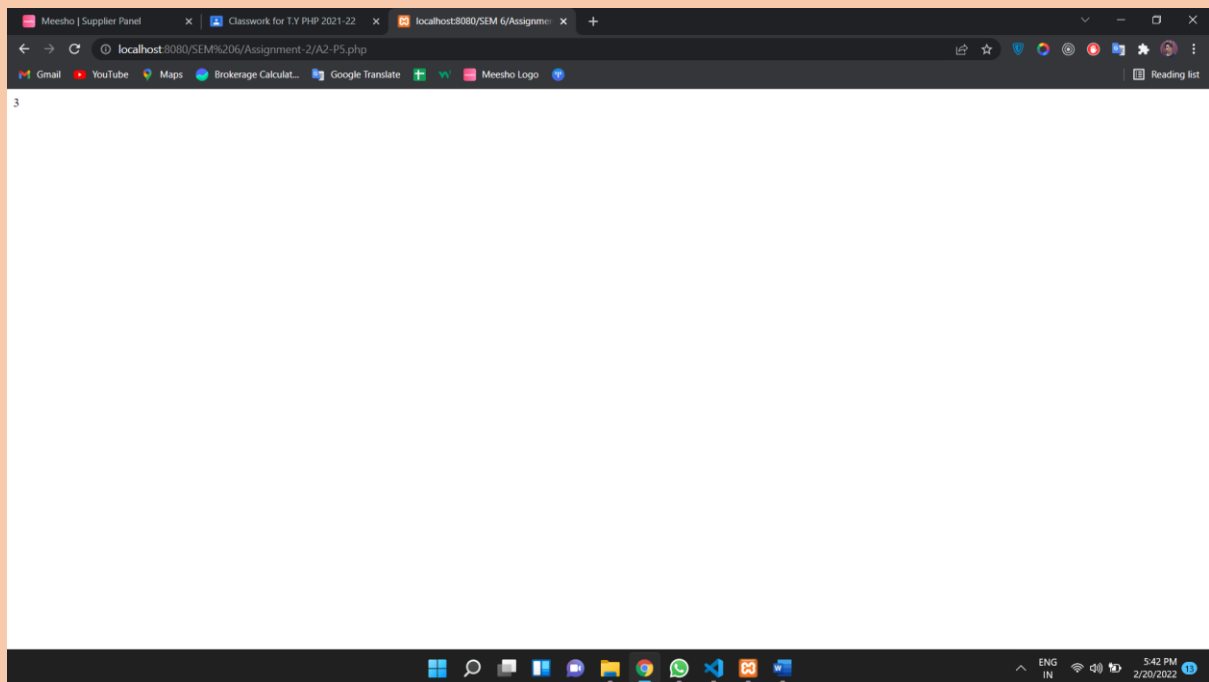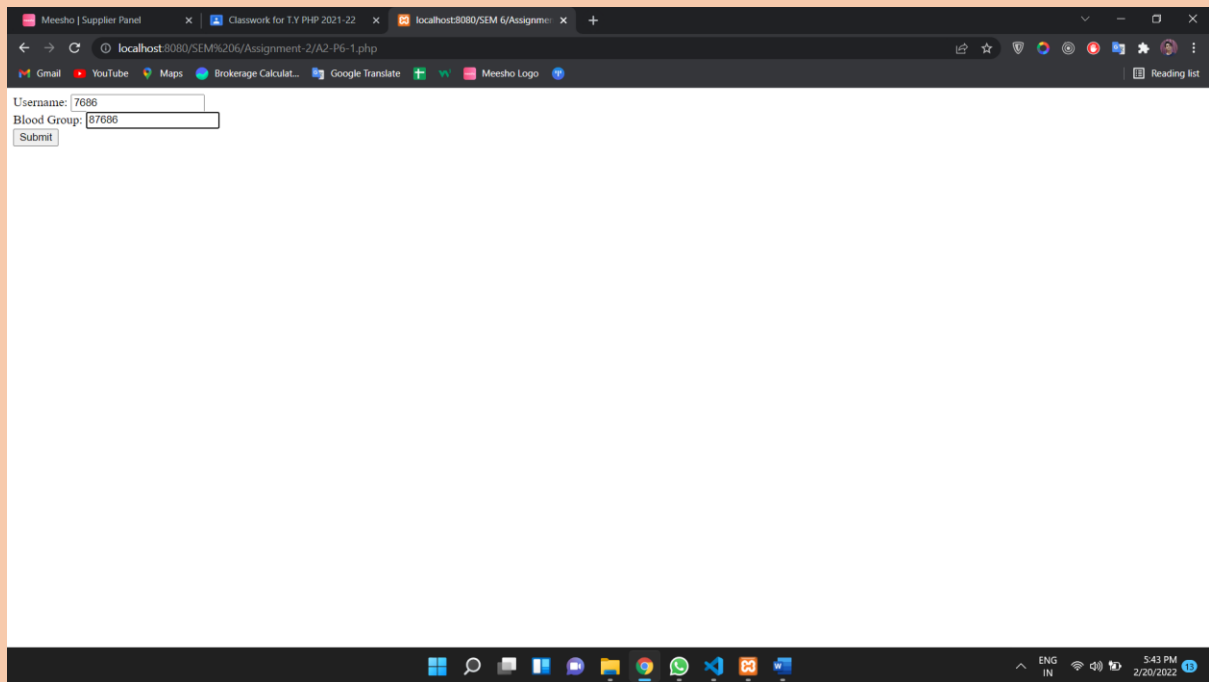
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**PHP - Simple Calculator Program**

123  First Number

234  Second Number

357  Result

[Add] [Subtract] [Multiply] [Divide]



**PHP - Simple Calculator Program**

123  First Number

234  Second Number

-111  Result

[Add] [Subtract] [Multiply] [Divide]

# 5. Write a PHP program which work on the global Keyword

```php
<?php
$a = 1;
$b = 2;

function Sum()
```

```
{
    global $a, $b;

    $b = $a + $b;
}

Sum();
echo $b;
?>
```



# 6. Write a PHP program using 'get method'

```html
<html>
    <body>

        <form action = "A2-P6-2.php" method = "GET">
            Username: <input type = "text" name = "username" /> <br>
            Blood Group: <input type = "text" name = "bloodgroup" /> <br>
            <input type = "submit" />
        </form>

    </body>
</html>
```
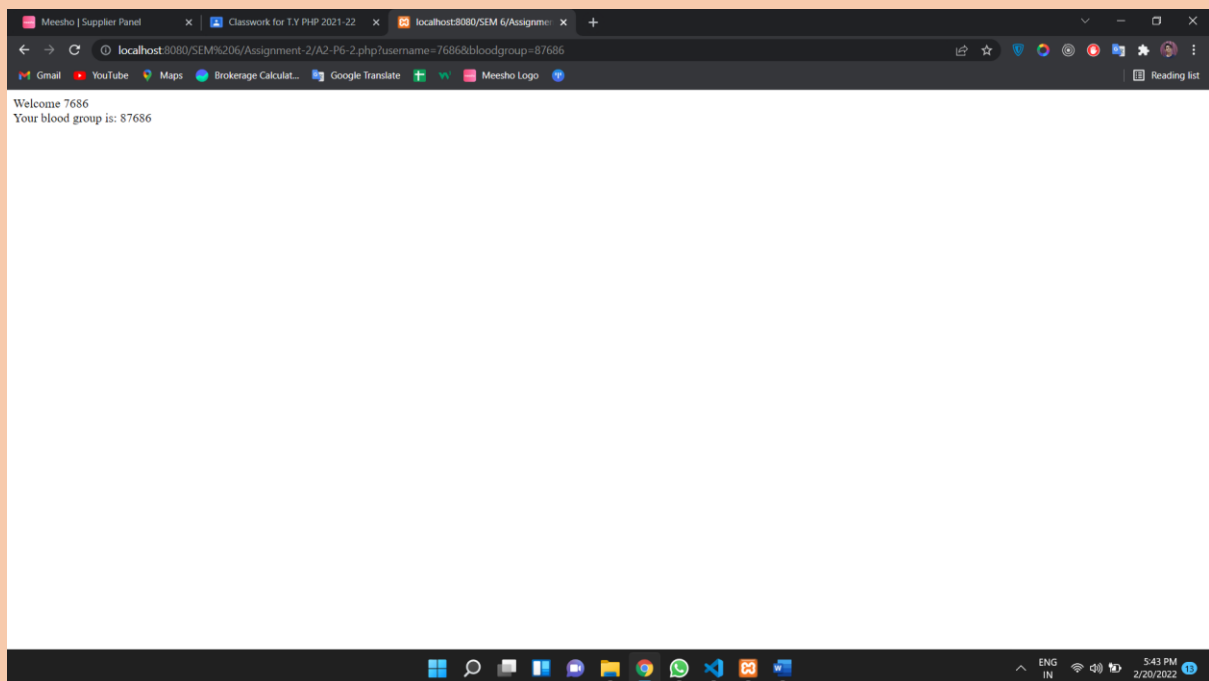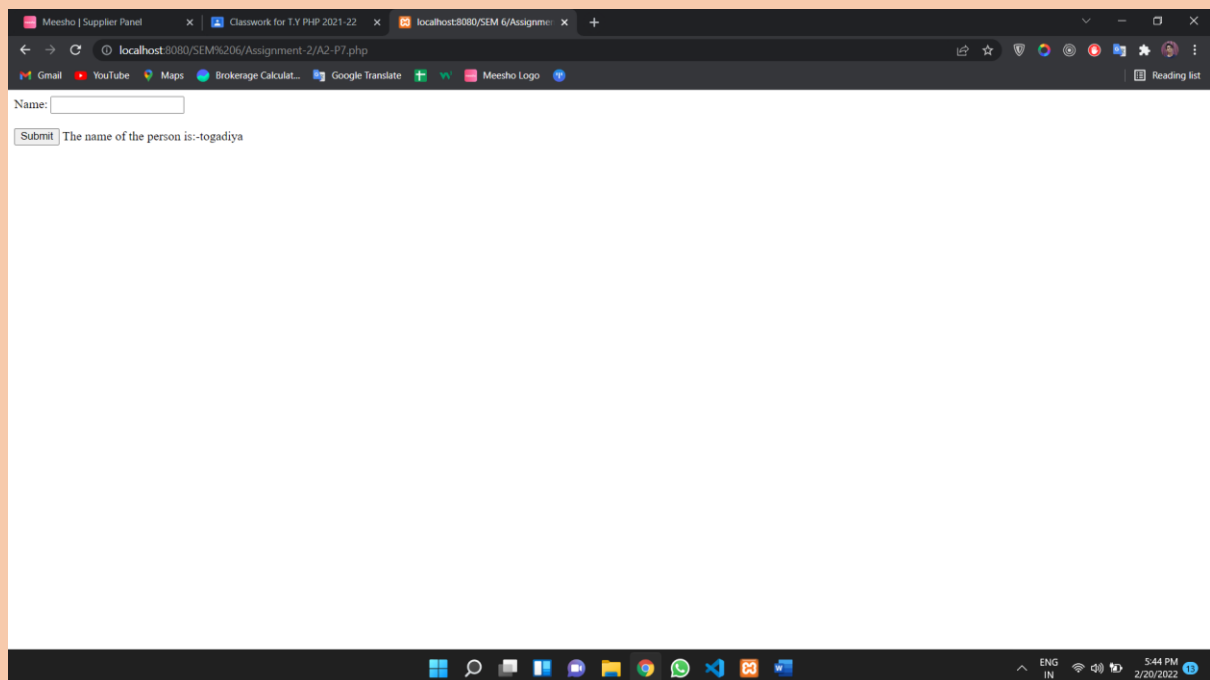
```html
<html>
    <body>


        Welcome <?php echo $_GET["username"]; ?> </br>
        Your blood group is: <?php echo $_GET["bloodgroup"]; ?>


    </body>
</html>
```

# 7. Write a PHP program for print variable value into text box.

```html
<html>
    <body>
        <form action="" method="post">
            Name:
            <input type=text name="t1">
            <br>
            <br>
            <input type=submit name="s">
            <?php
if(isset($_POST['s']))
{
    $a=$_POST['t1']; //accessing value from the text field
    echo "The name of the person is:-".$a; //displaying result
}
            ?>
        </form>
    </body>
</html>
```
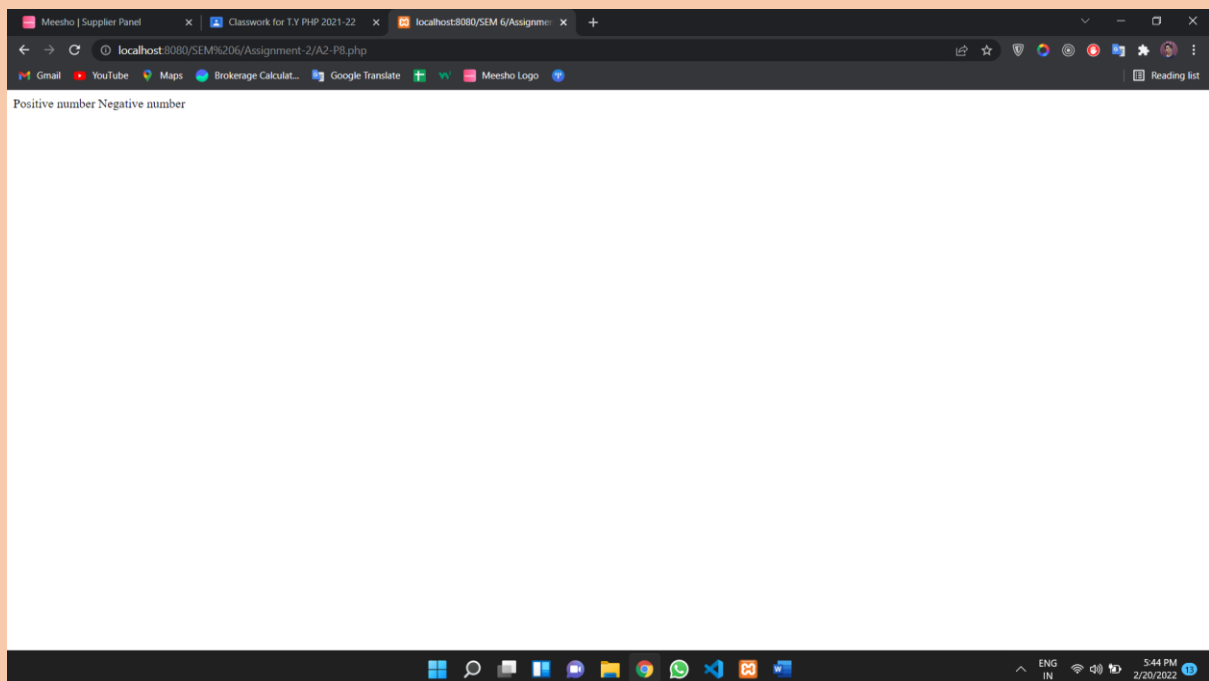


# 8. Write a PHP program for check given number is positive or negative or zero

```php
<?php
```

```php
function CheckNumber($x) {
  if ($x > 0)
    {$message = "Positive number";}
  if ($x == 0)
    {$message = "Zero";}
  if ($x < 0)
    {$message = "Negative number";}
  echo $message."\n";
}

CheckNumber(5.5);
CheckNumber(-10.8);
?>
```



## 9. Write a PHP program which have usage of string built-in functions

```php
<html>
<body>
<?php

//addcslashes
$str = addcslashes("Hello World!","W");
```
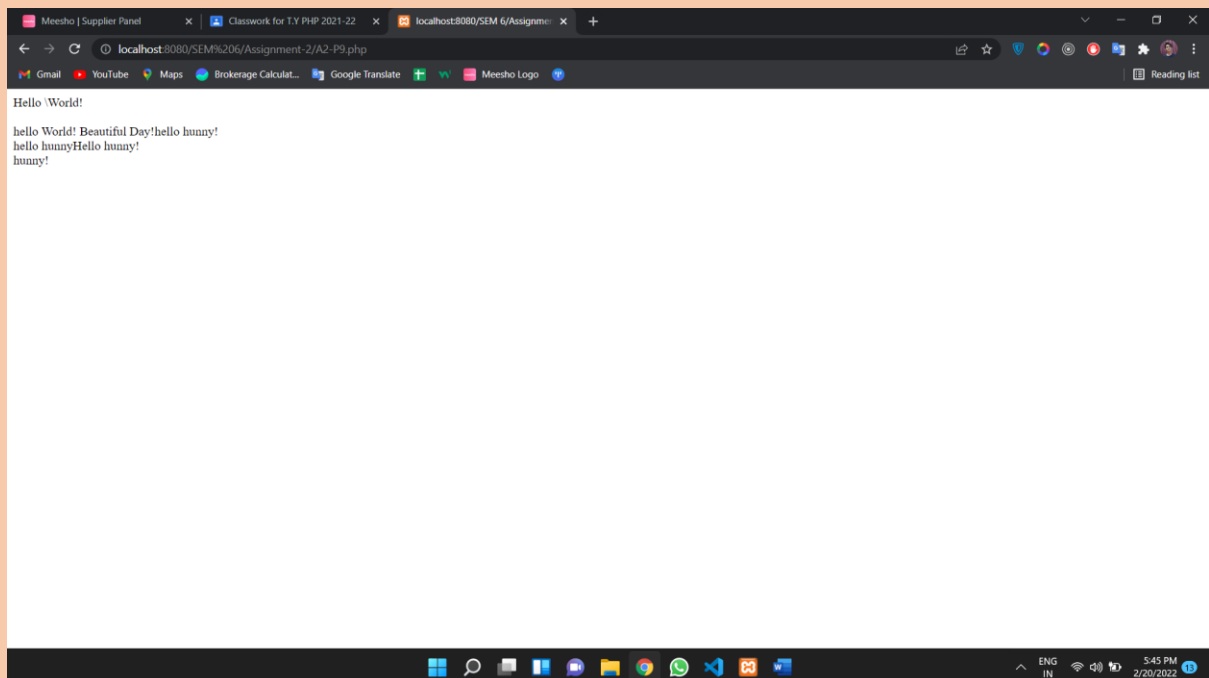
```php
echo($str . "<br> <br>") ;


//join
$arr = array('hello','World!','Beautiful','Day!');
echo join(" ",$arr ) ;


//rtrim
$str1 = "hello  hunny!";
echo $str1 . "<br>";
echo rtrim($str1,"World!" );


//ltrim
$str = "Hello hunny!";
echo $str . "<br>";
echo ltrim($str,"Hello");
?>

</body>
</html>
```



## 10. Write a PHP program which is execute while and do. while loop

```html
<html>
<body>
 <form method="post">
 Enter the Number:
   <input type="number" name="number">
   <input type="submit" value="Submit">
  </form>
</body>
</html>
<?php
 if($_POST)
 {
  //get the number entered
  $number = $_POST['number'];
  //store entered number in a variable
  $a = $number;
  $sum  = 0;
  //run loop till the quotient is 0
  while( $a != 0 )
  {
   $rem   = $a % 10; //find reminder
   $sum   = $sum + ( $rem * $rem * $rem ); //cube the reminder and add it to
the sum variable till the loop ends
   $a   = $a / 10; //find quotient. if 0 then loop again
  }
  //if the entered number and $sum value matches then it is an armstrong
number
  if( $number == $sum )
  {
   echo "Yes $number an Armstrong Number";
  }else
  {
   echo "$number is not an Armstrong Number";
  }
 }
?>
```
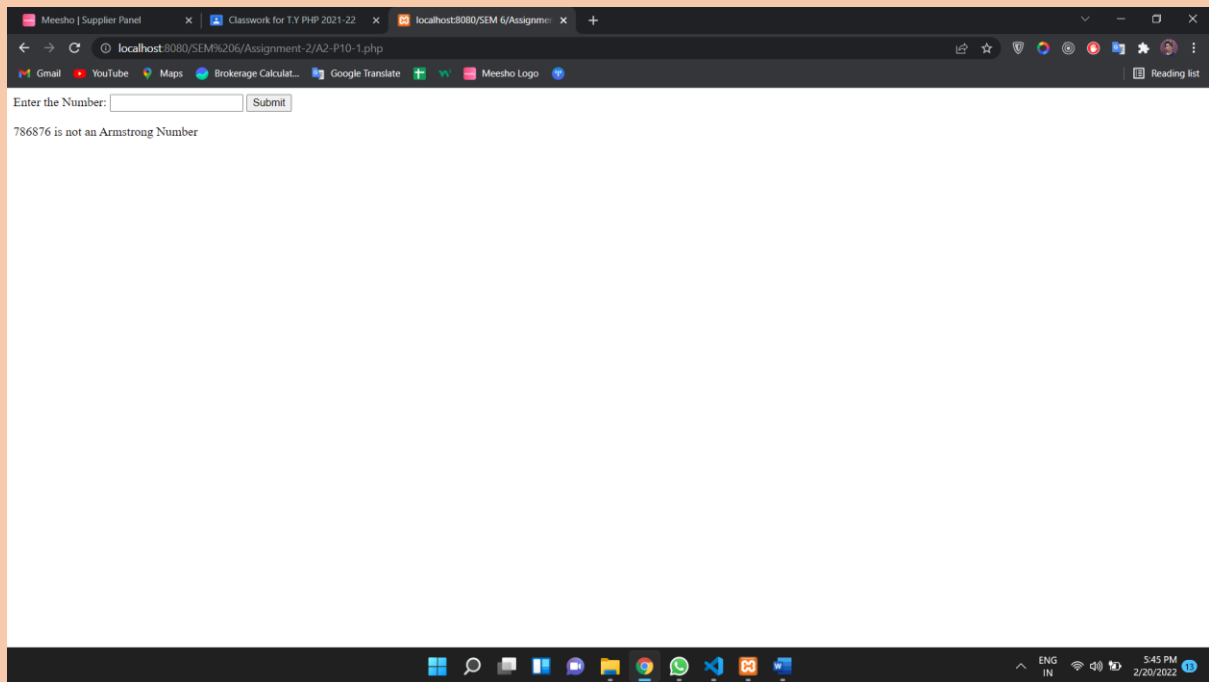
Enter the Number: [            ] Submit

786876 is not an Armstrong Number

```php
<!DOCTYPE html>
<html>
<body>

<?php
$x = 1;
$num = 123454321;
$x = 0;
$n =$num;

do {
 $mod = $num%10;
$x = $x * 10 + $mod;
$num = $num/10;

} while (floor($num));
if($n==$x)
{
echo "$n is a Palindrome number.";
}

else
{
echo "$n is not a Palindrome number.";
}
?>
```

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```html
</body>
</html>
```


123454321 is a Palindrome number.