PHP PRACTICALS:-

Sr.NO	Practical Name	Date	Pg.No	Signature
1.	Write an algorithm, draw aflowchart and write a PHP script to print the value of variable using echo.	9/8/22		
2.	Write an algorithm, draw a flowchart write a PHP script to print the following pattern using nested for loop.	16/8/22		
3.	Write an algorithm, draw a flowchart and write a PHP script to that creates the following table using for loop.Add cellpadding="3px" and cellspacing="0px" to table tag.	23/8/22		
4.	Write an algorithm, draw a flowchart and write a PHP script using nested for loop that creates a chessboard as shown below. Use table width="270px" and take 30pxas cell height and width.	6/9/22		
5.	Write an algorithm, draw a flowchart and write a PHP script to convert a date from yyyy-mm-dd to dd-mm-yyyy.	13/9/22		15/11/2022
6.	Write an algorithm, draw a flowchart and write a PHP function that checks if a string is all lower case.	20/9/22		
7.	Write an algorithm, draw a flowchart and write a PHP script to check whether an entered strung is palindrome or not.	27/9/22		
8.	Write an algorithm, draw a flowchart and write a PHP script to insert a new item in an array on any position.	11/10/22		
9.	Write an algorithm, draw a flowchart and write a PHP script to check that email id is valid or not.	18/10/22		
10.	Write an algorithm, draw a flowchart and write a PHP script for extracting multiple values from array.	25/10/22		
11.	Write an algorithm, draw a flowchart and write a PHP script to converting between array and variable.	25/10/22		
12.	Write an algorithm, draw a flowchart and write a PHP script to design a Calculator.	8/11/22		
13.	Write an algorithm, draw a flowchart and write a PHP script to check Form Validation.	8/11/22		

Page No. 1
Date :

Practical No. 1

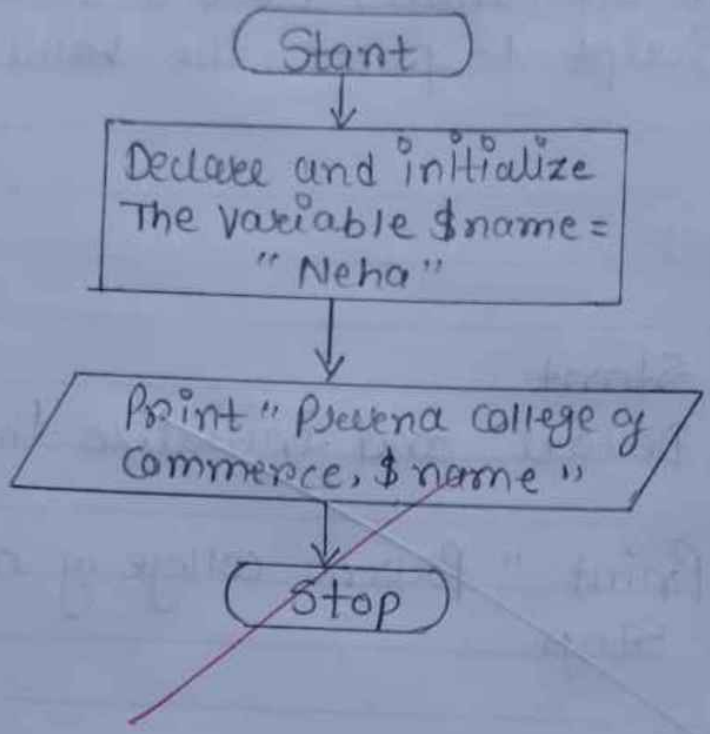
* Write an algorithm, draw a flowchart and write a PHP Script to print the value of variable using echo.

Algorithm :-

Step 1 - Start
Step 2 - Declare and initialize the middle $name = "Neha"
Step 3 - Print "Purna college of commerce, $name"
Step 4 - Stop

EXCELLENT

Flowchart - 1


Start
Declare and initialize The variable $name = "Neha"
Print "Pravena College of Commerce, $name"
Stop

PRACTICAL NO. 1

Write an algorithm, draw a flowchart and write a PHP script to print the value of variable using echo.

```
<!doctype html>
<?php
$name= "Neha";
?>
</html http://www.w3.org//1999/xhtml>
<head>
<title>A Simple PHP Document</title>
</head>
<body style="font-size:zem">
<p></p>
<strong></strong>

<?php
echo "Prerna  College of Commerce, $name";
?>
</body>
</html>
```

Output:-

Prerna College of CommerceNeha

Practical NO. 2

* Write an algorithm, draw a flowchart and write a PHP Script to print the following pattern using Nested for loop.

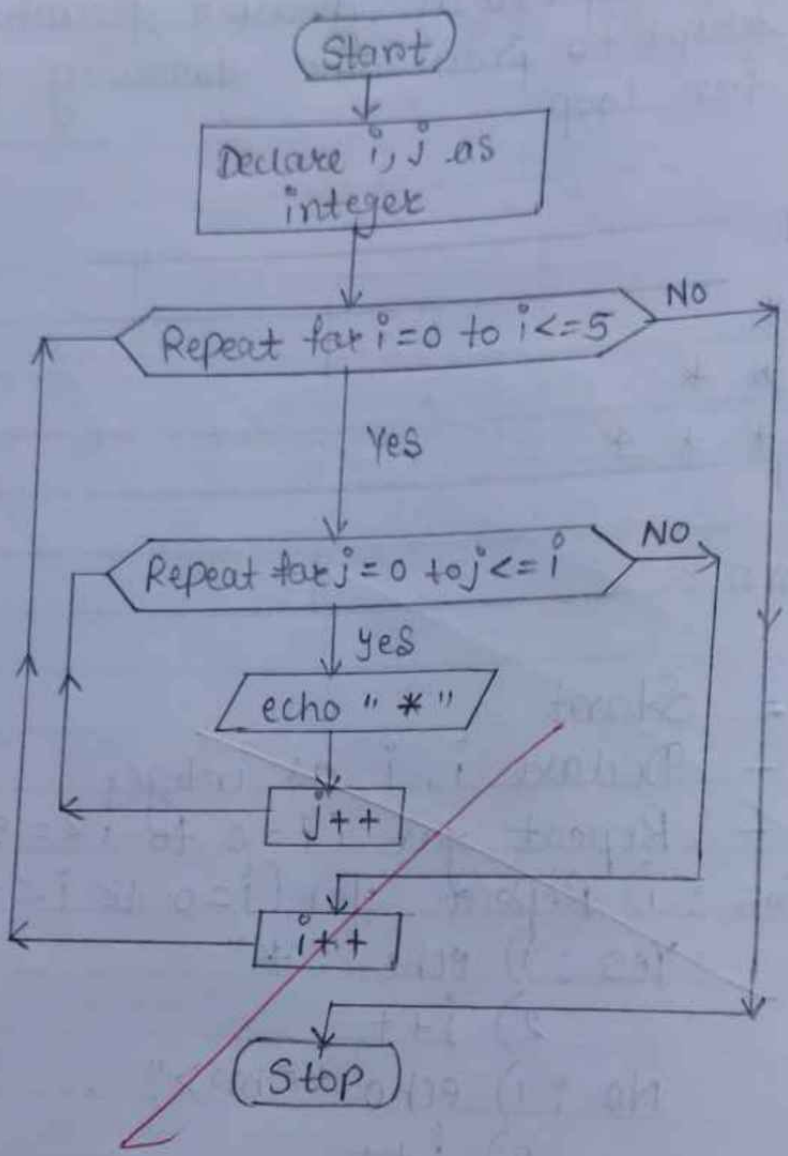
```
*
* *
* * *
* * * *
* * * * *
* * * * * *
```

Algorithm :-

Step 1 - Start
Step 2 - Declare i, j as integer
Step 3 - Repeat for (i=0 to i<=5)
  Yes : 1) Repeat for (j=0 to j<=1)
    Yes : 1) echo "*"
          2) j++
    No : 1) echo "
"
         2) i++
         3) go to Step 4
Step 4 - Stop

EXCELLENT

Flowchart 2 -


Start
Declare i, j as integer
Repeat for i=0 to i<=5
NO
Yes
Repeat for j=0 to j<=i
NO
yes
echo " * "
j++
i++
Stop

PRACTICAL NO. 2

Write an algorithm, draw a flowchart and write a PHP script to print the following pattern using nested for loop.

```
*
* *
* * *
* * * *
* * * * *
* * * * * *
```

```
<html>
<head>
<title>Nested For Loop</title>
</head>
<body>
<?php
for($i=0;$i<=5;$i++)
{
for($j=0;$j<=$i;$j++)
{
echo "* ";
}
echo "<br>";
}
?>
</body>
</html>
```

Output:-

Practical NO 3

* Write an algorithm, draw a flowchart and write a PHP script to that create the following table using loop. Add cellpadding = "3px" and cellspacing = "3px" to table tag.

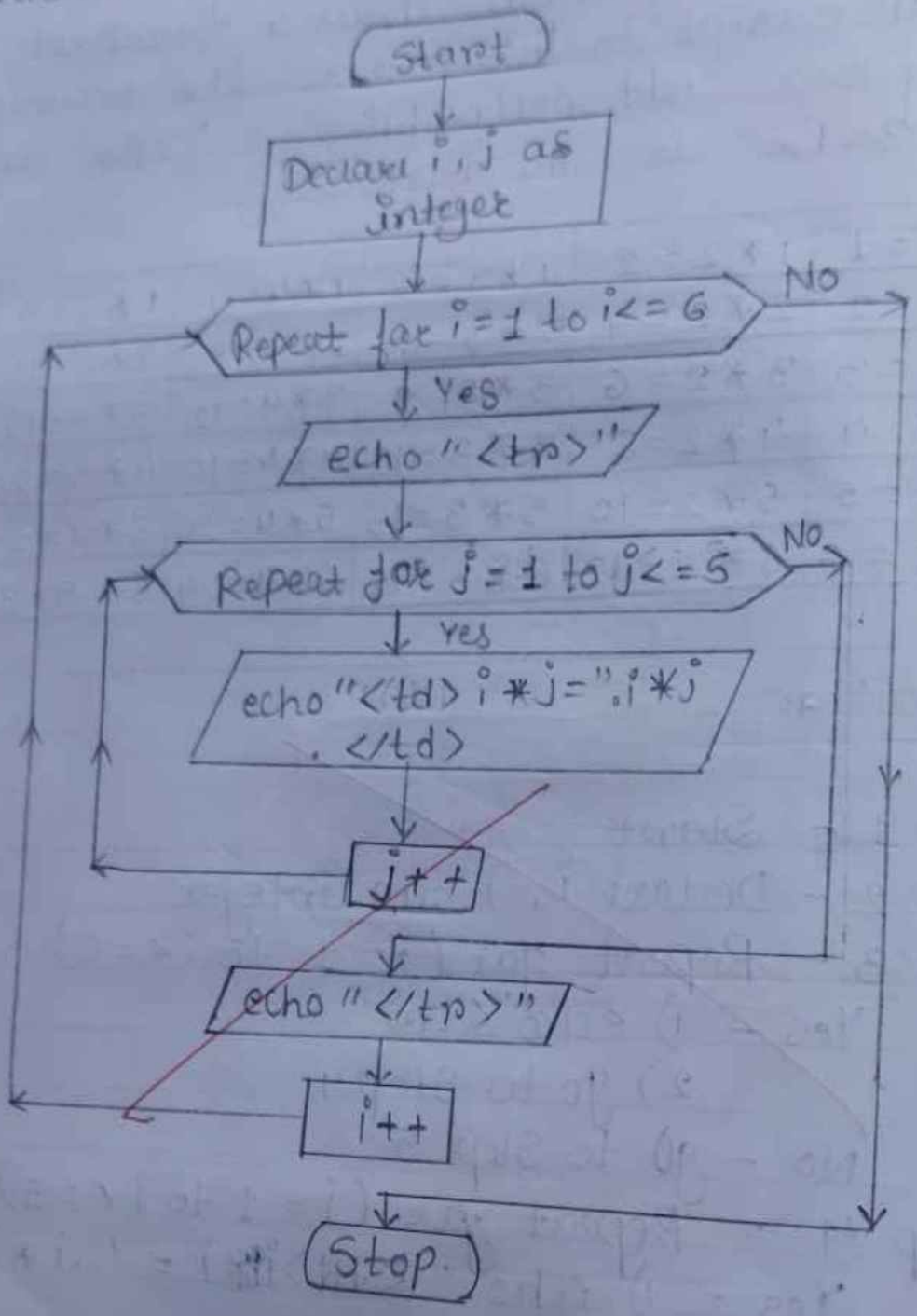
1*1=1	1*2=2	1*3=3	1*4=4	1*5=5
2*1=2	2*2=4	2*3=6	2*4=8	2*5=10
3*1=3	3*2=6	3*3=9	3*4=12	3*5=15
4*1=4	4*2=8	4*3=12	4*4=16	4*5=20
5*1=5	5*2=10	5*3=15	5*4=20	5*5=25
6*1=6	6*2=12	6*3=18	6*4=24	6*5=30

Algorithm :-

Step 1 - Start
Step 2 - Declare i, j as integer
Step 3 - Repeat for (i=1 to i<=6)
    Yes - 1) echo "<tr>"
          2) go to Step 4
    No - go to Step 5
Step 4 - Repeat for (j = 1 to j<=5)
    Yes - 1) echo "<td>i*j = ".i*j"</td>
          2) j++
    No - 1) echo "</br>"
         2) i++
Step 5 - Stop

EXCELLENT

Flowchart - 3


Start
Declare i, j as integer
Repeat for i = 1 to i<=6
No
Yes
echo "<tr>"
Repeat for j = 1 to j<=5
No
Yes
echo "<td> i * j = ". i * j . </td>
j++
echo "</tr>"
i++
Stop

PRACTICAL NO. 3

Write an algorithm, draw a flowchart and write a PHP script to that creates the following table using for loops. Add cellpadding="3px" and cell spacing="0px" to table tag.

1 * 1 = 1	1 * 2 = 2	1 * 3 = 3	1 * 4 = 4	1 * 5 = 5
2 * 1 = 2	2 * 2 = 4	2 * 3 = 6	2 * 4 = 8	2 * 5 = 10
3 * 1 = 3	3 * 2 = 6	3 * 3 = 9	3 * 4 = 12	3 * 5 = 15
4 * 1 = 4	4 * 2 = 8	4 * 3 = 12	4 * 4 = 16	4 * 5 = 20
5 * 1 = 5	5 * 2 = 10	5 * 3 = 15	5 * 4 = 20	5 * 5 = 25
6 * 1 = 6	6 * 2 = 12	6 * 3 = 18	6 * 4 = 24	6 * 5 = 30

```
<!DOCTYPE html>
<html>
<body>
<table align="left" border="1" cellpadding="3px" cellspacing="0px">
<?php
for($i=1;$i<=6;$i++)
{
echo "<tr>";
for ($j=1;$j<=5;$j++)
 {
echo "<td>$i * $j = ".$i*$j."</td>";
 }
echo "</tr>";
 }
?>
</table>
</body>
```

</html>

Output:-

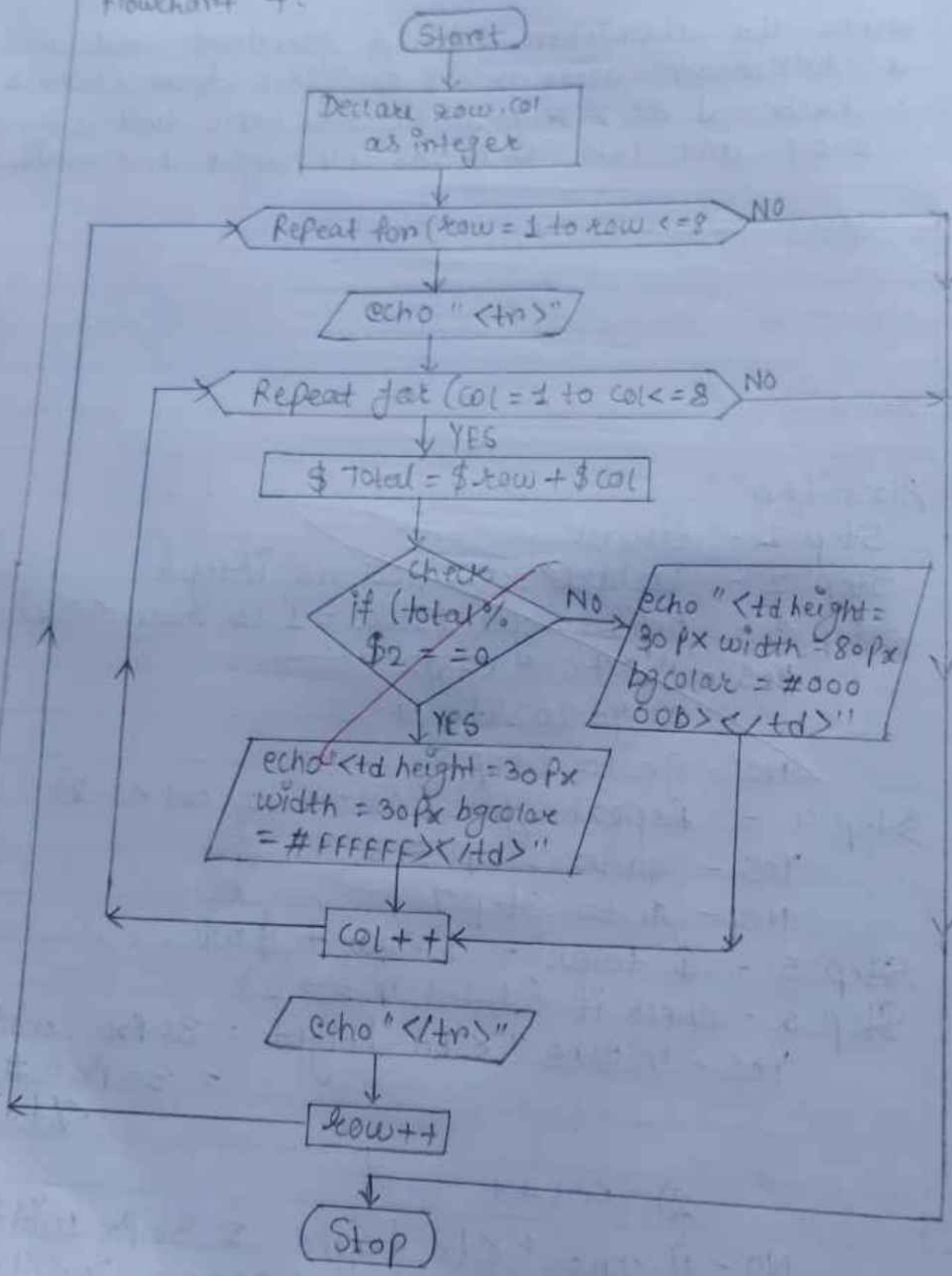
Practical No. 4.

* Write the algorithm, draw a flowchart and write a PHP script using nested for loop that creates a chessboard as shown below like table width = "270" and take 30 px as cell height and width.

Algorithm :-

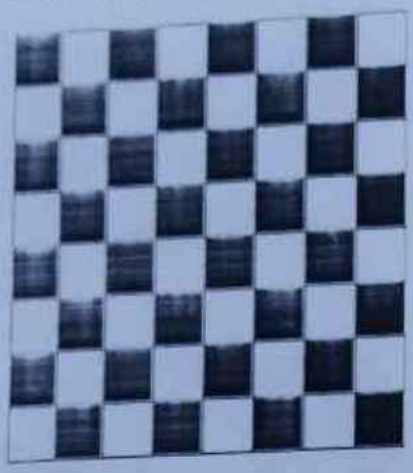
Step 1 - Start
Step 2 - Declare row, col as integer
Step 3 - Repeat for (row = 1 to row <= 8)
Yes - 1) echo "<tr>"
2) go to Step 4
NO - go to Step 8
Step 4 - Repeat for (col = 1 to col <= 8)
Yes - go to Step 5, 6
No - go to step 7
Step 5 - $ total = $ row + $ col
Step 6 - check if (total % 2 == 0)
Yes - 1) echo "<td height = 30 px width = 30 px = #FFFFFF></td>"
2) col++
NO - 1) echo "<td height = 30 px width = 30 px bgcolor = #000000></td>"
2) col++
Step 7 - 1) echo "</tr>" 2) row++ Step 8 - Stop

Flowchart 4.


Start
Declare row, col as integer
Repeat for (row = 1 to row <= 8
NO
echo "<tr>"
Repeat for (col = 1 to col <= 8
NO
YES
$ Total = $ row + $ col
check if (total % $2 == 0
NO
echo "<td height = 30 px width = 80 px bgcolor = #000 000></td>"
YES
echo <td height = 30 px width = 30 px bgcolor = #FFFFFF></td>"
col++
echo "</tr>"
row++
Stop

PRACTICAL NO.. 4

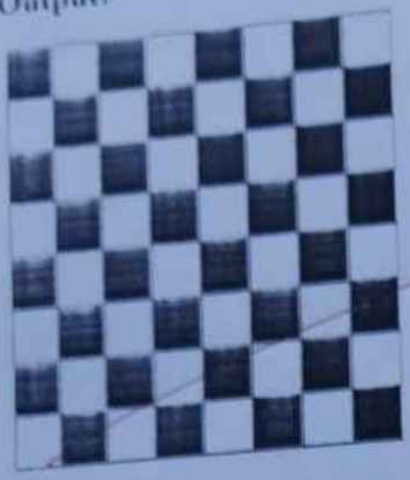
Write an algorithm, draw a flowchart and Write a PHP script using nested for loop that creates a chess board as shown below. Use table width="270px" and take 30px as cell height and width.



```
<!DOCTYPE html>
<html>
<head>
<title></title>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
</head>
<body>
<h3>Chess Board using Nested For Loop</h3>
<table width="270px" cellspacing="0px" cellpadding="0px" border="1px">
<!-- cell 270px wide (8 columns x 60px) -->
<?php
    for($row=1;$row<=8;$row++)
```

```
        {
        echo "<tr>";
        for($col=1;$col<=8;$col++)
                {
        $total=$row+$col;
        if($total%2==0)
                {
        echo "<td height=30px width=30px bgcolor=#FFFFFF></td>";
        }
                else
                {
        echo "<td height=30px width=30px bgcolor=#000000></td>";
        }
        }
        echo "</tr>";
    }
        ?>
</table>
</body>
</html>
```

Output:-



Page No
Date

Practical No. 5.

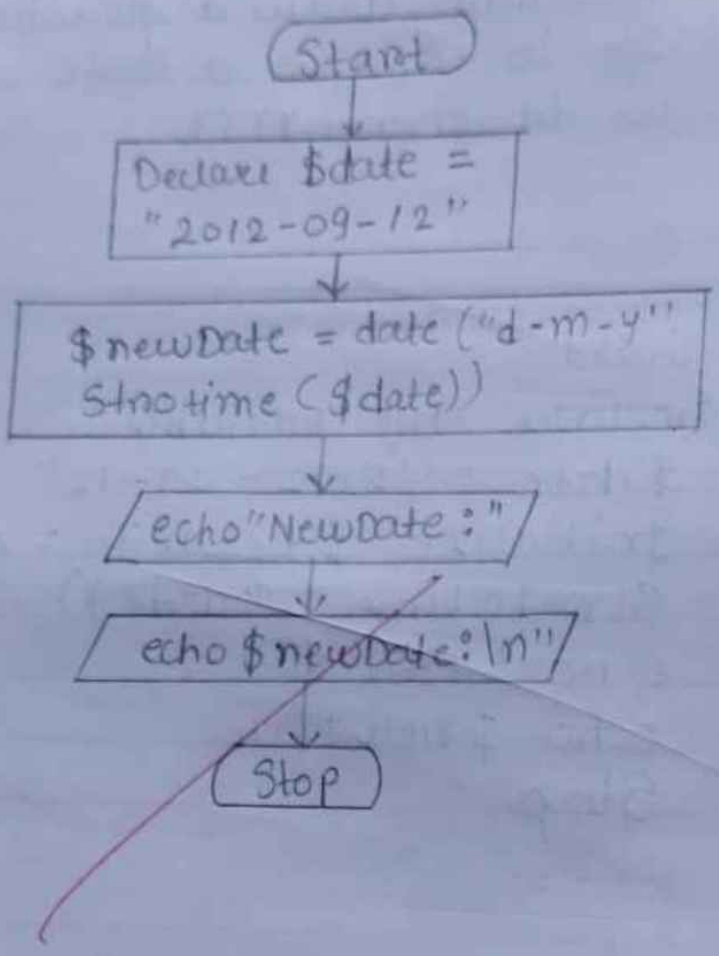
* Write an algorithm, draw a flowchart and write a PHP Script to convert a date from YYYY-mm-dd to dd-mm-YYYY

Algorithm -

Step 1 - Start
Step 2 - Declare the variable
$date = "2012-09-12"
Step 3 - Initialize $newDate = date ("d-m-y", Strtotime ($date))
Step 4 - echo "New date :"
Step 5 - echo $newDate
Step 6 - Stop

EXCELLENT

Flowchart 5.


Start
Declare $date = "2012-09-12"
$newDate = date ("d-m-y" strtotime ($date))
echo "NewDate :"
echo $newDate:\n"
Stop

PRACTICAL NO. 5

Write an algorithm, draw a flowchart and write a PHP script to convert a date from yyyy-mm-dd to dd-mm-yyyy.

```
<!DOCTYPE html>
<html>
<body>
<table align="left" border="1" cellpadding="3px" cellspacing="0px">
<tr>
<td><?php
$date = "2012-09-12";
$newDate = date("d-m-Y", strtotime($date));
echo "New Date:";
echo $newDate."\n";
?></td>
</tr>
</table>
</body>
</html>
```

Output:-

Page No.
Date :

Practical No. 6

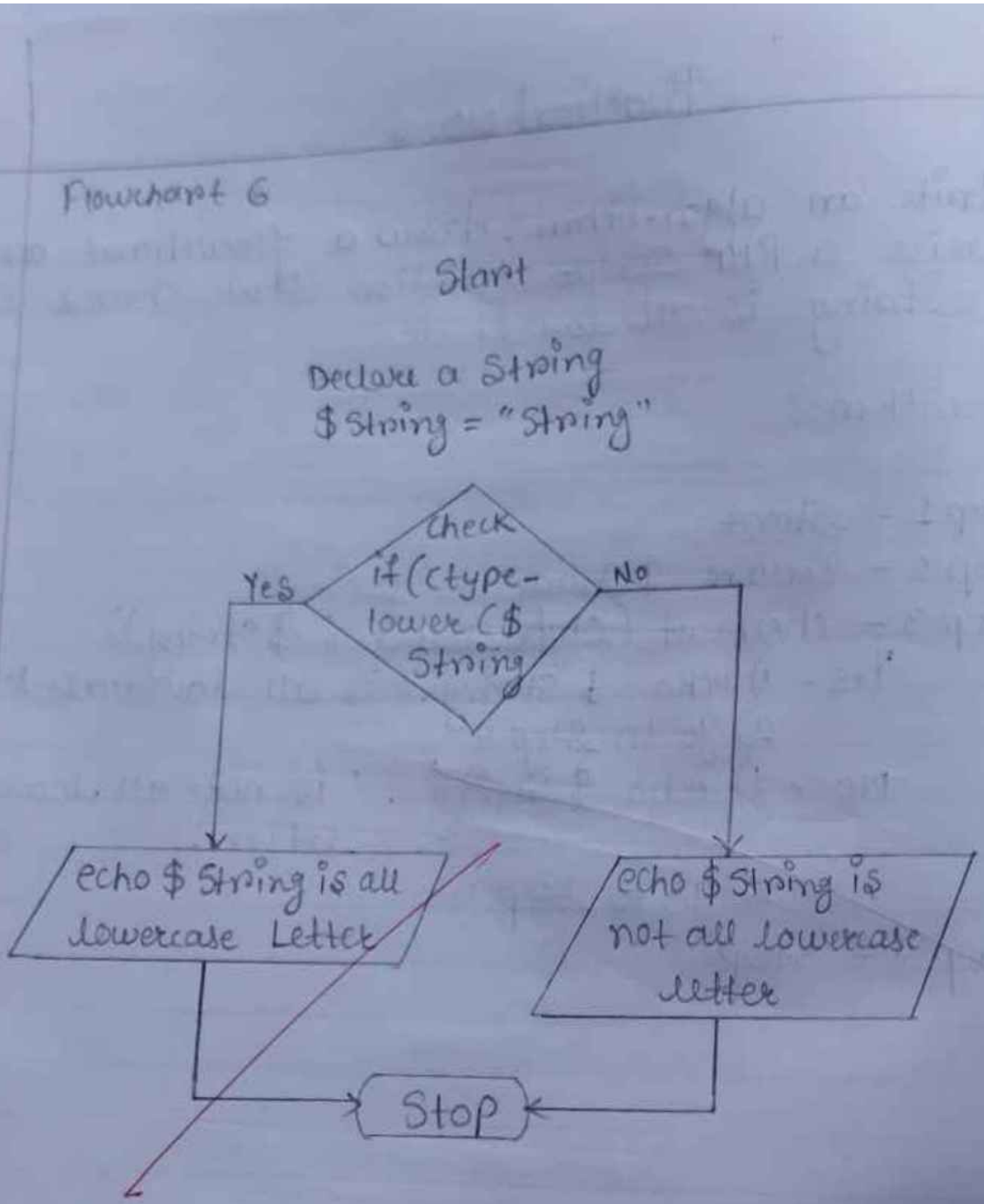
* Write an algorithm, draw a flowchart and write a PHP script function that checks if a String is all lowercase

Algorithm :-

Step 1 - Start
Step 2 - Declare $String = "String"
Step 3 - check if (ctype_lower ($String))
Yes - 1) echo $String.' is all lowercase letter'
2) go to Step 4
No - 1) echo $String.' is not all lowercase letter'
2) go to Step 4
Step 4 - Stop

CELLENT

Flowchart 6


Start
Declare a String
$String = "String"
Check
if(ctype-
lower($
String
Yes
No
echo $String is all
lowercase Letter
echo $String is
not all lowercase
letter
Stop

PRACTICAL NO. 6

Write an algorithm, draw a flowchart and write a PHP function that checks if a string is all lowercase.

```
<!DOCTYPE html>
<html>
<body>
<?php
$string = "string";

if (ctype_lower($string)) {
echo $string.' is all lowercase letters.';
} else {
echo $string.' is not all lowercase letters.';
}
?>
</body>
</html>
```

Output:-

Page No. :
Date :

Practical No. 7

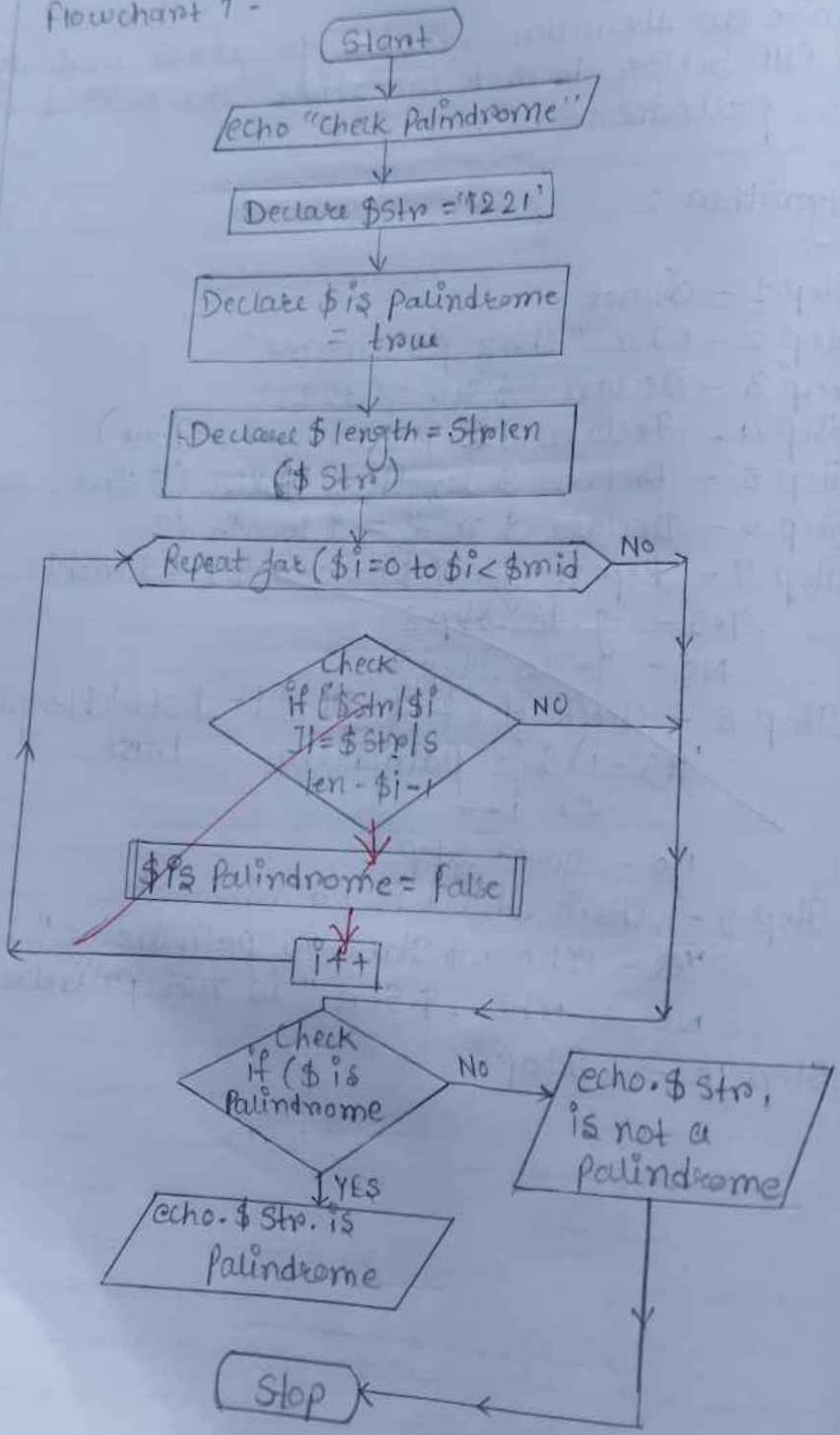
* Write an algorithm, draw a flowchart and write a PHP Script to check wheather the entered string is palindrome

Algorithm :-

Step 1 - Start
Step 2 - echo "check palindrome"
Step 3 - Declare $str = "1221"
Step 4 - Declare $.is palindrome = True
Step 5 - Declare $ length = strlen ($str)
Step 6 - Declare $ mid = $ length /2
Step 7 - Repeat for ($i = 0 to $i < $mid)
    Yes - go to Step 8
    No - go to Step 9
Step 8 - check if ($str[$i] != $str[$length - $i - 1])
    Yes - 1) $ is palindrome = false
          2) i++
    No - go to Step 9
Step 9 - Check if ($ is palindrome)
    Yes - echo . $str " is palindrome"
    No - echo . $str " is not palindrome"
Step 10 - Stop.

XCELLENT

Flowchart 7 -


Start
echo "Check Palindrome"
Declare $Str = '1221'
Declare $is palindrome = true
Declare $length = Strlen ($Str)
Repeat for ($i=0 to $i< $mid
NO
Check if ['$Str/$i]!='$Str/$ len - $i-1
NO
$is Palindrome = false
i++
Check if ($is Palindrome
No
echo. $Str. is not a Palindrome
YES
echo. $Str. is Palindrome
Stop

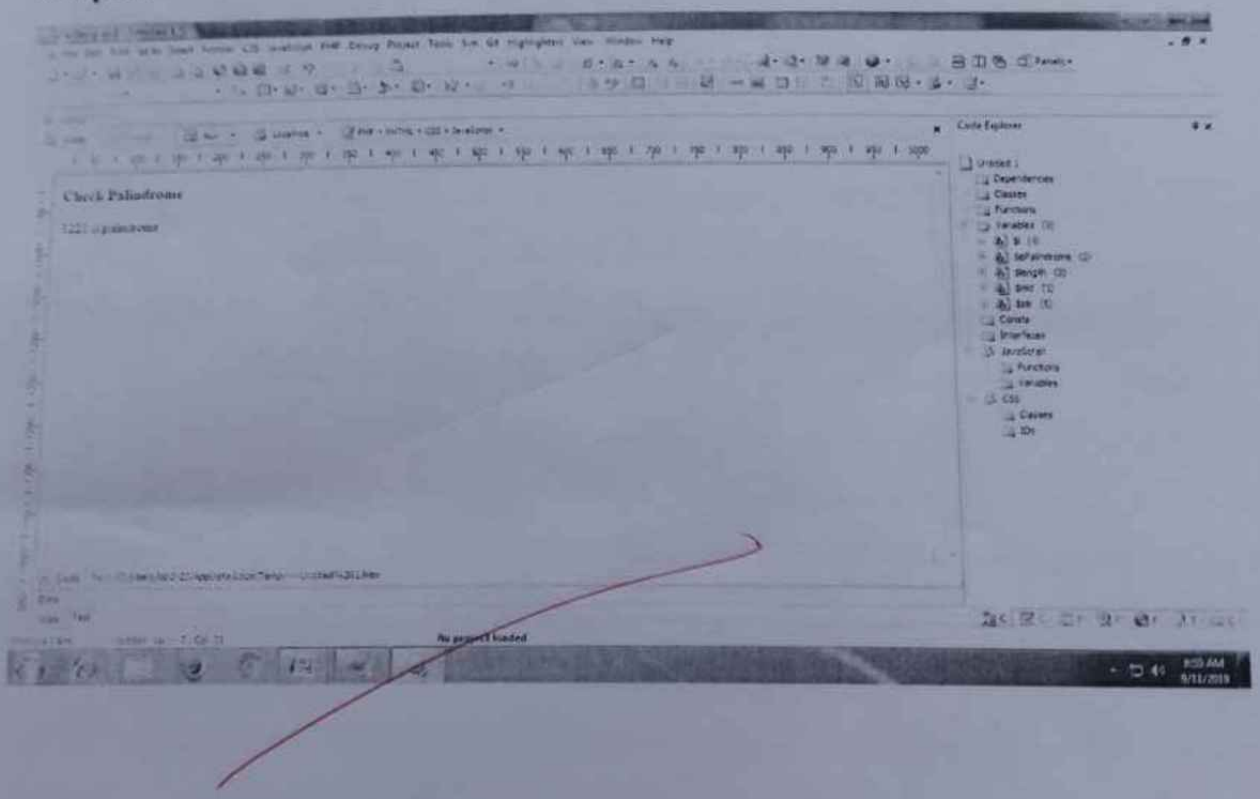
PRACTICAL NO. 7

Write an algorithm, draw a flowchart and write a PHP script to check whether an entered string is palindrome or not.

```
<html>
<body>
<?php
echo '<h3> Check Palindrome </h3>';
      $str = '1221';
      $isPalindrome = true;
      $length = strlen($str);
      $mid=$length/2;
for ($i = 0; $i <$mid; $i++) {
if ($str[$i] != $str[$length - $i - 1]) {
            $isPalindrome = false;
break;
        }
      }
if ($isPalindrome)
 {
echo '<div>' . $str .' is palindrome</div>';
      }
else
{
echo '<div>' . $str .' is not palindrome</div>';
      }
```

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

Output:-



Page No. :
Date :

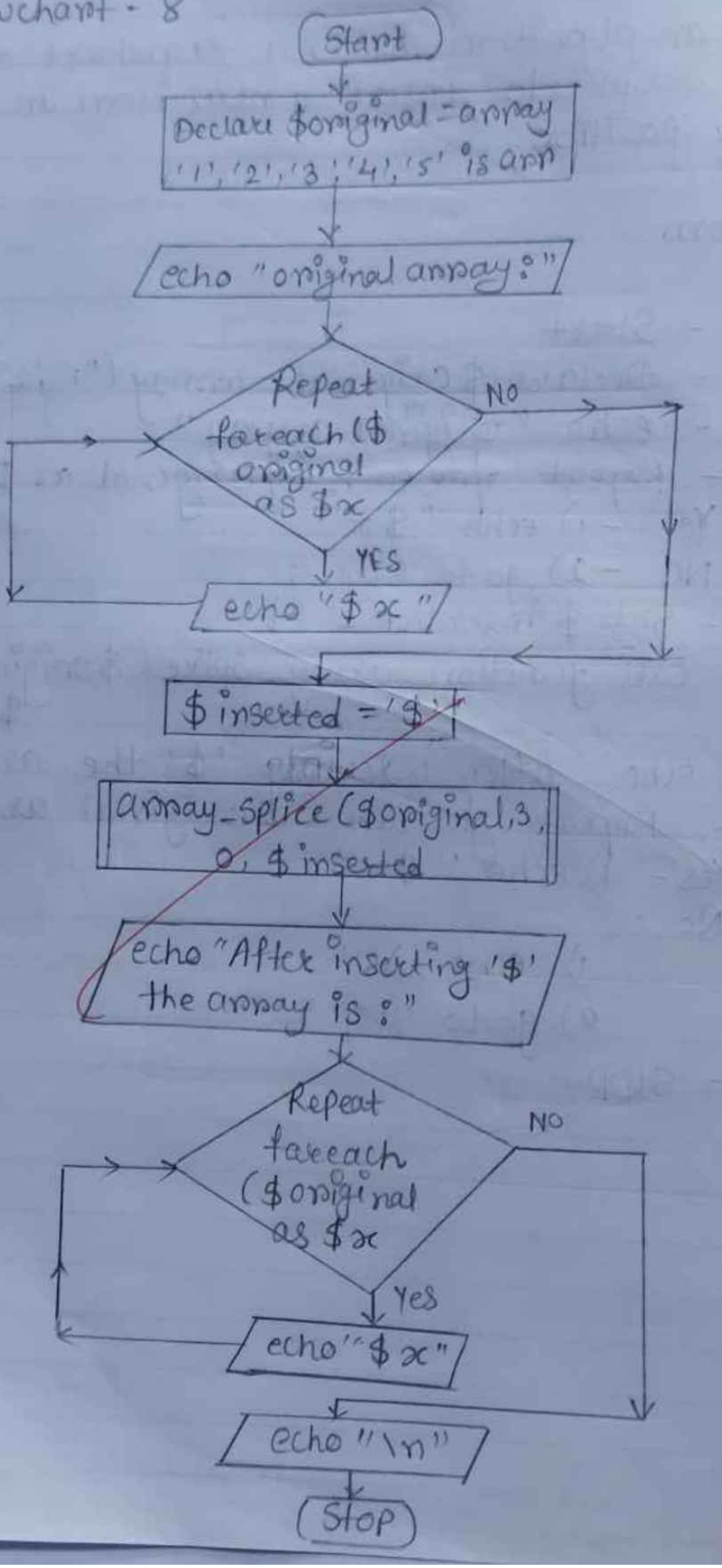
Practical No. 8.

* Write an algorithm, draw a flowchart and write a PHP Script to insert a new item in an array on any position.

Algorithm :

Step 1 - Start
Step 2 - Declare $original = array ("1","2","3","4","5")
Step 3 - echo "original array"
Step 4 - Repeat foreach ($original as $x)
    Yes - 1) echo "$x"
    NO - 2) go to Step 5
Step 5 - Set $inserted = '$'
Step 6 - call function array_splice ($original, 3, 0, $inserted)
Step 7 - echo "After inserting '$' the array is :"
Step 8 - Repeat foreach ($original as $x)
    Yes - 1) echo "$x"
    No :
        1) echo "\n"
        2) go to step 9
Step 9 - Stop.

Flowchart - 8


Start
Declare $original = array '1', '2', '3', '4', '5' is arr
echo "original array:"
Repeat foreach ($original as $x
NO
YES
echo "$x"
$inserted = '$';
array_splice ($original, 3, 0, $inserted
echo "After inserting '$' the array is :"
Repeat foreach ($original as $x
NO
Yes
echo "$x"
echo "\n"
Stop

PRACTICAL NO. 8

Write an algorithm, draw a flowchart and write a PHP script to insert a new item in an array on any position.

```
<html>
<head>
<title> Element at any position in array </title>
</head>
<body>
<?php
$original = array( '1','2','3','4','5' );
echo 'Original array : '."\n";
foreach ($original as $x)
{
echo "$x ";
}
$inserted = '$';
array_splice( $original, 3, 0, $inserted );
echo " \n After inserting '$' the array is : "."\n";
foreach ($original as $x)
{
echo "$x ";
}
echo "\n"
?>
</body>
</html>
```

Output:-

Page No.
Date :

Practical No. 9

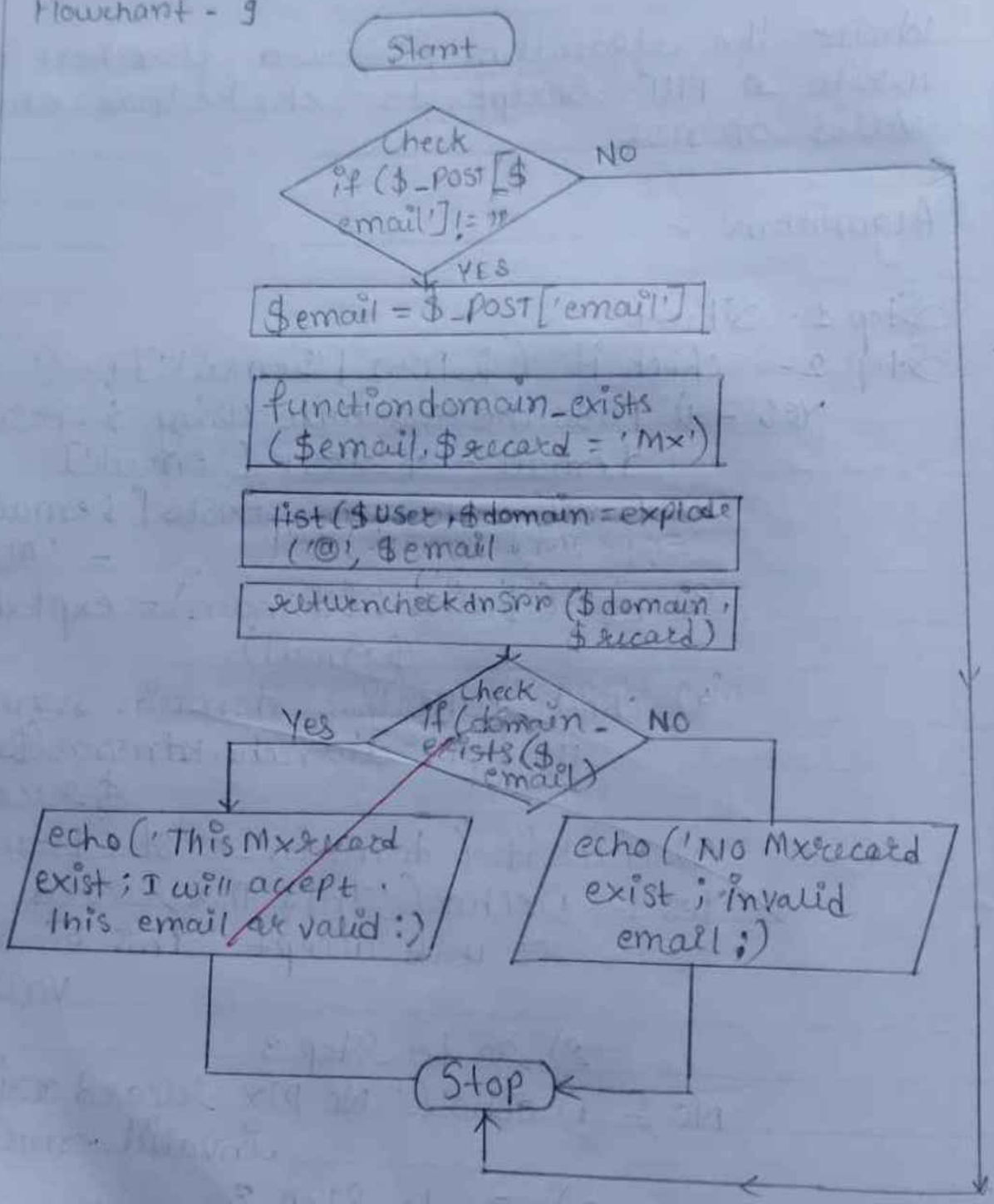
* Write the algorithm, draw a flowchart and write a PHP script to check that email-id valid or not.

Algorithm :-

Step 1 - Start
Step 2 - check if ($_POST['$email'] != '')
Yes - 1) Pass the variable using $_POST
$email = $_POST['email']
2) function domain_exists[$email $record = 'MX']
3) Test ($user, $domain) = explode('@', $email)
4) check wheather domain name exist or not ~~returncheckdnsrr~~ ($domain, $record)
5) check if (domain_exist ($email))
Yes :- 1) echo ('This MX record exist, I will accept this email as valid')
2) go to Step 3
NO :- 1) echo ('No MX record exist; invalid email.')
2) go to Step 3
NO :- go to Step 3
Step 3 :- Stop.

CELLENT

Flowchart - 9


Start
Check if ($_POST['$email'] != "")
NO
YES
$email = $_POST['email']
function domain_exists ($email, $record = 'MX')
list ($user, $domain = explode ('@', $email
returncheckdnsrr ($domain, $record)
Check if (domain_exists ($email)
Yes
NO
echo ('This MX record exist ; I will accept this email as valid :)
echo ('NO MX record exist ; invalid email ;)
Stop

PRACTICAL NO. 9

Write an algorithm, draw a flowchart and write a PHP script to check that email id is valid or not.

```
<?php
if($_POST['$email'] != '')
        {
        // The email to validate
        $email = $_POST['email'];
        // An optional sender
       functiondomain_exists($email, $record = 'MX')
              {
                    list($user, $domain) = explode('@', $email);
              returncheckdnsrr($domain, $record);
              }
       if(domain_exists($email))
              {
              echo('This MX records exists; I will accept this email as valid.');

              }
      else
              {
              echo('No MX record exists;  Invalid email.');
              }
      }
?>
<form method="POST">
```

```
<input type="text" name="email">
<input type="submit" value="submit">
</form>
```

Output:-

Page No.
Date

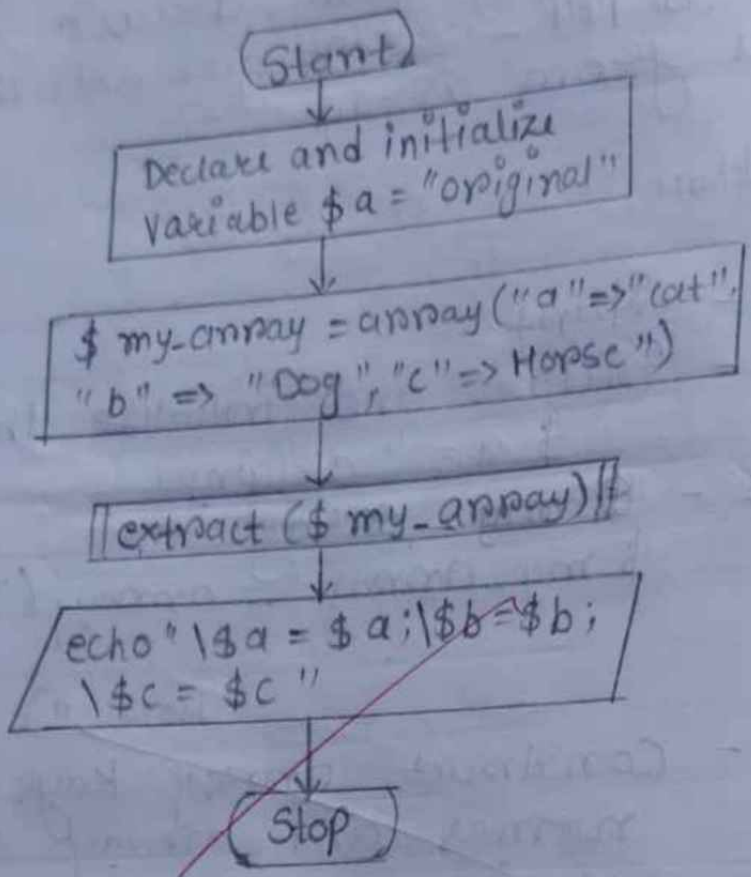
Practical No. 10

* Write an algorithm, draw a flowchart and write a PHP script for extracting multiple values from array.

Algorithm :-

Step 1 - Start
Step 2 - Declare and initialize the variables
$a = "original"
Step 3 - Declare array
$my_array = array("a" => "Cat", "b" => "Dog", "c" => "Horse")
Step 4 - Construct array keys into variable names and array values into variables using extract() call function.
extract($my_array)
Step 5 - echo "\$a = $a ; \$b = $b ; \$c = $c",
Step 6 - Stop.

Flowchart - 10



PRACTICAL NO. 10

Write an algorithm, draw a flowchart and write a PHP script for extracting multiple values from array.

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

<?php
$a = "Original";
$my_array = array("a" => "Cat","b" => "Dog", "c" => "Horse");
extract($my_array);
echo "\$a = $a; \$b = $b; \$c = $c";
?>
</body>
</html>
```

Page No.
Date :

Practical NO. 11

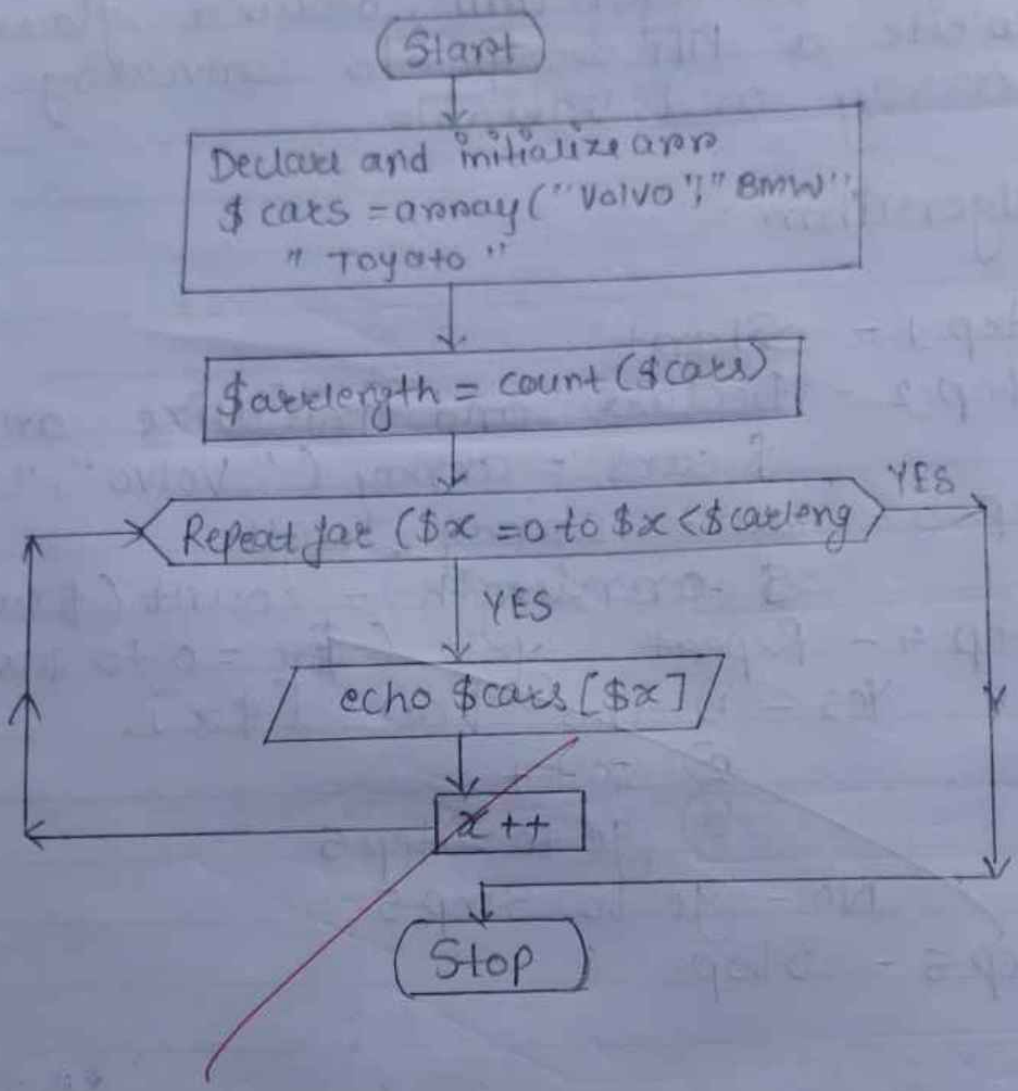
* Write an algorithm, draw a flowchart and write a PHP Script to converting between array and Variable.

Algorithm :-

Step 1 - Start
Step 2 - Declare and initialize an array
$ cars = array ("Volve", "BMW", "Toyota");
Step 3 - count array length
$ arrlength = count ($cars)
Step 4 - Repeat for ($x = 0 to $x < $ arrlength)
Yes - 1) echo $cars [$x].
2) x++
3) go to Step 5
No - go to Step 5
Step 5 - Stop.

EXCELLENT

Flowchart - 11 -



PRACTICAL NO. 11

Write an algorithm, draw a flowchart and write a PHP script to Converting between array and variable.

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

<?php
$cars = array("Volvo", "BMW", "Toyota");
$arrlength = count($cars);

for($x = 0; $x < $arrlength; $x++) {
  echo $cars[$x];
  echo "<br>";
}
?>

</body>
</html>
```

Output

Volvo
BMW
Toyota

Page No. :
Date :

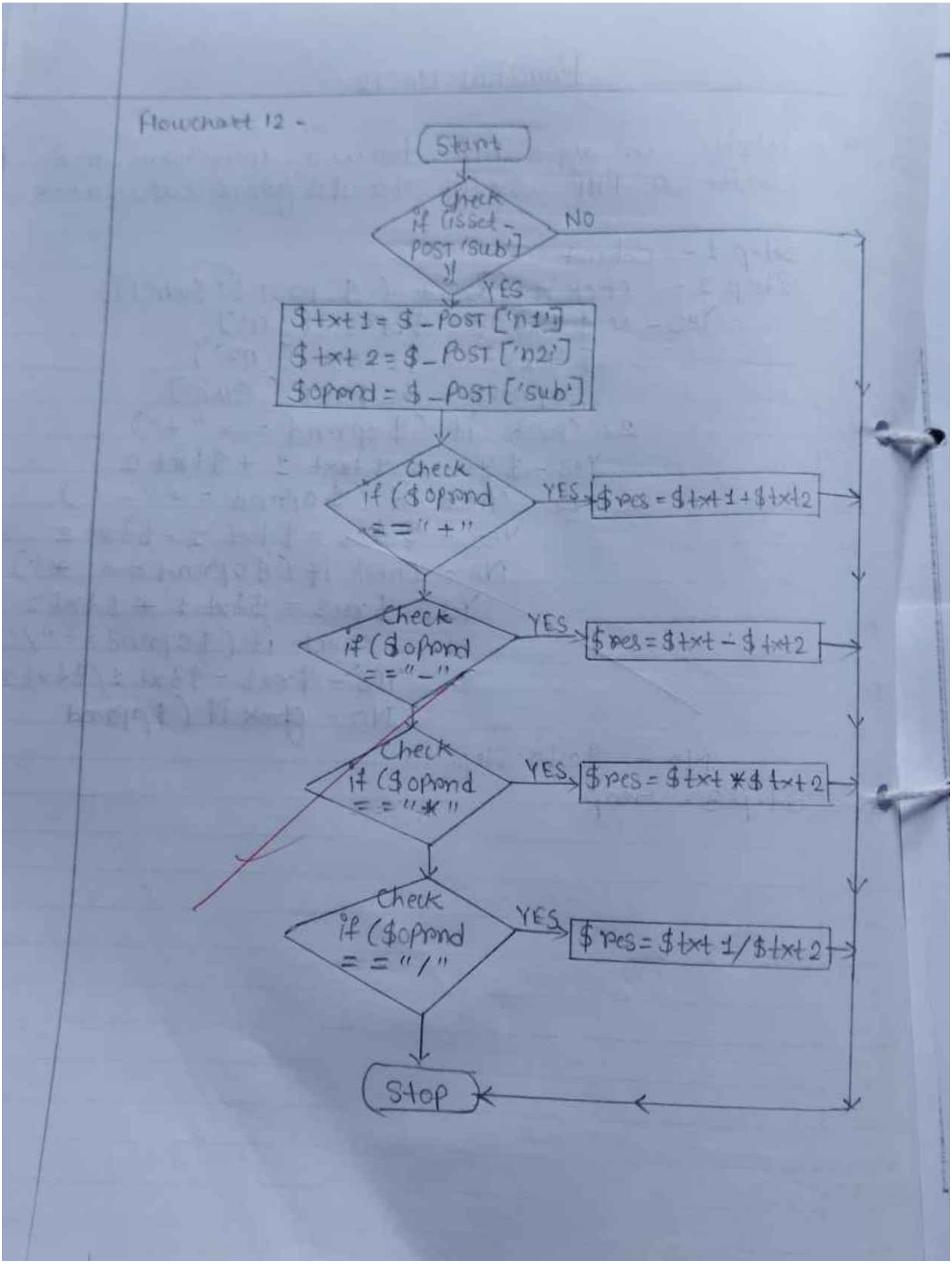
Practical No. 12

* Write an algorithm, draw a flowchart and write a PHP Script to design a calculator.

Step 1 - Start
Step 2 - Check if (isset ($_POST['Sub']))
Yes - 1) $Txt 1 = $_POST['n1']
$Txt 2 = $_POST['n2']
$oprnd = $_POST['Sub']
2) Check if ($oprnd == "+")
Yes - $yes = $txt 1 + $txt 2
No - Check if ($oprnd == "-")
Yes - $res = $txt 1 - $txt 2
No - Check if ($oprnd == "*")
Yes - $res = $txt 1 * $txt 2
No - Check if ($oprnd == "/")
YES - $res = $txt 1 / $txt 2
NO - go to Step 3

No - go to Step 3
Step 3 - Stop

Flowchart 12 -



PRACTICAL NO. 12

Write an algorithm, draw a flowchart and write a PHP script to design a Calculator.

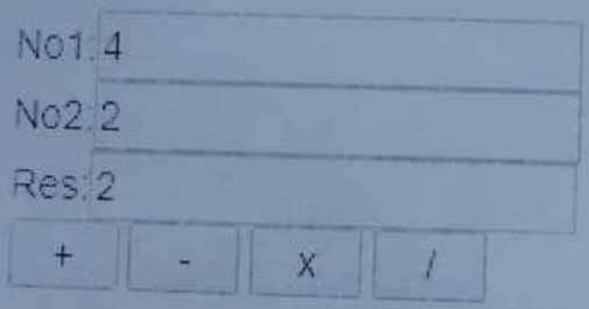
```
<?php

if(isset($_POST['sub']))
{
        $txt1=$_POST['n1'];
        $txt2=$_POST['n2'];
        $oprnd=$_POST['sub'];

        if($oprnd=="+")
        $res=$txt1+$txt2;
        else if($oprnd=="-")
                $res=$txt1-$txt2;
                else if($oprnd=="x")
                $res=$txt1*$txt2;
                else if($oprnd=="/")
                        $res=$txt1/$txt2;
}
?>
```

```
<form method="post" action="">
Calculator
<br>
No1:<input name="n1" value="<?php echo $txt1; ?>">
<br>
No2:<input name="n2" value="<?php echo $txt2; ?>">
<br>
Res:<input name="res" value="<?php echo $res; ?>">
<br>
<input type="submit" name="sub" value="+">
<input type="submit" name="sub" value="-">
<input type="submit" name="sub" value="x">
<input type="submit" name="sub" value="/">
</form>
```

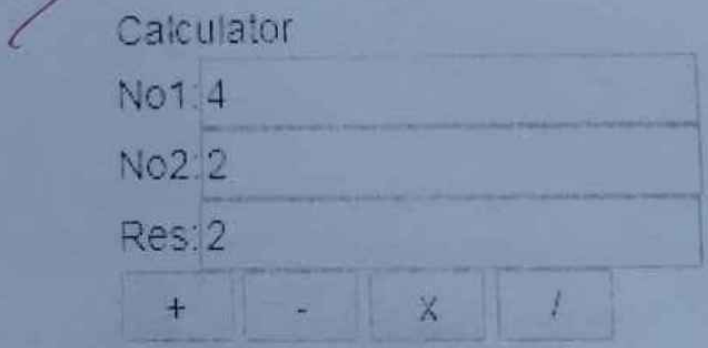
Output:-



PRACTICAL NO: 13

```
Calculator
<br>
No1:<input name="n1" value="<?php echo $txt1; ?>">
<br>
No2:<input name="n2" value="<?php echo $txt2; ?>">
<br>
Res:<input name="res" value="<?php echo $res; ?>">
<br>
<input type="submit" name="sub" value="+">
<input type="submit" name="sub" value="-">
<input type="submit" name="sub" value="x">
<input type="submit" name="sub" value="/">
</form>
```

Output:-



PRACTICAL NO: 13

Page No.
Date

Practical No. 13

* Write an algorithm, draw a flowchart and write a PHP Script to check form Validation.

Algorithm -

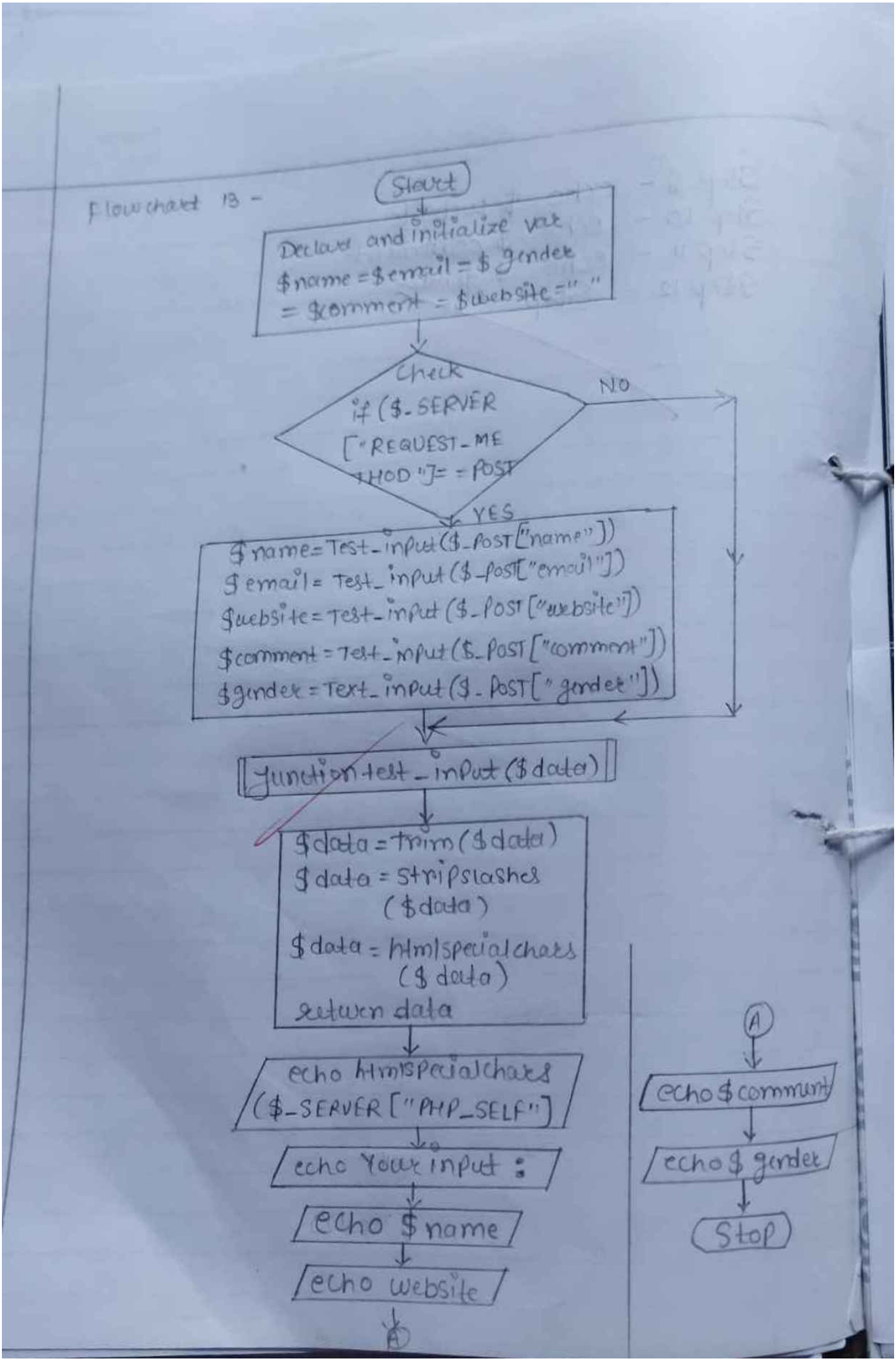
Step 1 - Start
Step 2 - Declare and initialize the variable with empty values.
$name = $email = $gender = $comment = $website = " ".
Step 3 - Check if ($_SERVER["REQUEST_METHOD"] = "POST")
Yes - 1) $name = Test_input ($_POST["name"])
$email = Test_input ($_POST["email"])
$website = Test_input ($_POST["Website"])
$comment = Test_input ($_POST["comment"])
$Gender = Test_input ($_POST["gender"])
2) go to step 4
No - go to step 4
Step 4 - Define user input data through the test_input() function.

```
function Test_input ($data)
    $data = Trim ($data)
    $data = Stripslashes ($data)
    $data = htmlspecialchars ($data)
    return $data
```

Step 5 - echo htmlspecialchars ($_SERVER["PHP_Self"])
Step 6 - echo "Your input :"
Step 7 - echo $name
Step 8 - echo $email

Step 9 - echo $ website
Step 10 - echo $ comment
Step 11 - echo $ gender
Step 12 - Stop

Flowchart 13 -



2PRACTICAL NO: 13

Write an algorithm, draw a flowchart and write a PHP script to check Form Validation.

```
<!DOCTYPE HTML>
<html>
<head>
</head>
<body>

<?php
// define variables and set to empty values
$name = $email = $gender = $comment = $website = "";

if ($_SERVER["REQUEST_METHOD"] == "POST") {
 $name = test_input($_POST["name"]);
 $email = test_input($_POST["email"]);
 $website = test_input($_POST["website"]);
 $comment = test_input($_POST["comment"]);
 $gender = test_input($_POST["gender"]);
}

function test_input($data) {
 $data = trim($data);
 $data = stripslashes($data);
 $data = htmlspecialchars($data);
 return $data;
}
?>

<h2>PHP Form Validation Example</h2>
<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_S
ELF"]);?>">
 Name: <input type="text" name="name">
 <br><br>
 E-mail: <input type="text" name="email">
```

```
<br><br>
Website: <input type="text" name="website">
<br><br>
Comment: <textarea name="comment" rows="5" cols="40"></textarea>
<br><br>
Gender:
<input type="radio" name="gender" value="female">Female
<input type="radio" name="gender" value="male">Male
<input type="radio" name="gender" value="other">Other
<br><br>
<input type="submit" name="submit" value="Submit">
</form>

<?php
echo "<h2>Your Input:</h2>";
echo $name;
echo "<br>";
echo $email;
echo "<br>";
echo $website;
echo "<br>";
echo $comment;
echo "<br>";
echo $gender;
?>

</body>
</html>
```

PHP Form Validation Example

Name:

E-mail:

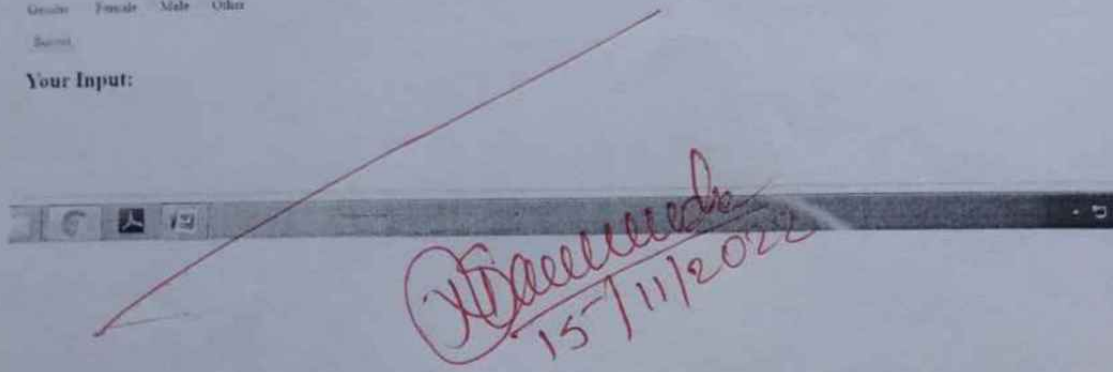
Website:

Comment:

Gender: Female Male Other

Submit

Your Input:



15/11/2022