

Web Technology-HTML, CSS, JS and PHP()

SoCSET BTech Semester I Class 03

Set V - PHP

Practical List

Topics	Practical No.	Description	Release Date	Submission Date	Remarks and Sign of Subject Teacher
PHP Programs	1	Write a PHP program to display count, from 5 to 15 using PHP loops	November 23, 2023	November 30, 2023	
	2	Write PHP program to print "Hello World" using echo			
	3	Write a PHP program to print "Hello World" using variable			
	4	Write a PHP program to print two variables in single echo			
	5	Write PHP program to check student grade based on marks using if-else statement			
	6	Write a program to show day of the week using switch statement			
	7	Write a program to create Chess board in PHP using the for loop			
	8	Write a simple calculator program in PHP using the switch statement.			
	9	Write a program to remove specific element by value from an array in PHP			
	10	Write a PHP program to check if a person is eligible to vote or not.			

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	11	Write a PHP program to calculate the area of a rectangle.			
	12	Write a PHP program to check whether a number is positive, negative or zero.			
	13	Write a PHP program to reverse the string			
	14	Write a PHP program to find length of the string			
	15	Write a PHP program to count the number of words in the string			
	16	Write a PHP program to convert string into uppercase			
	17	Write a PHP program for PHP Array to String Conversion (favourite colors chosen by user)			
	18	Write a PHP program to demonstrate how to check if an array is a subset of another in PHP?			
Bonus Practicals					
	19	Contact Form			
	20	Registration Form			
	21	Good Vibe Form			

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Practical 1

Aim: Write a PHP program to display count, from 5 to 15 using PHP loops

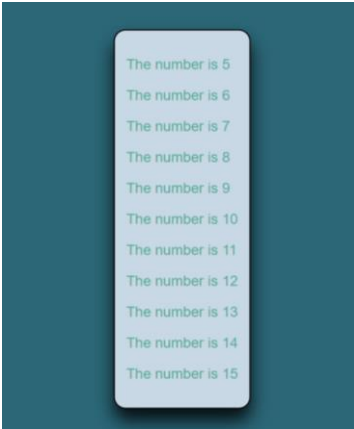
Rules & Hint:

- You can use “for” or “while” loop
- You can use variable to initialize count
- You can use html tag for line break

PHP Code:

```
<html>
  <head>
    <link rel="stylesheet" href="style12-18.css">
    <title></title>
  </head>
  <body>
    <div class="main">
      <?php
        for ($x=5;$x<=15;$x++){
          print"<p>The number is ".$x."<br></p>";
        }
      ?>
    </div>
  </body>
</html>
```

Output:



The number is 5
The number is 6
The number is 7
The number is 8
The number is 9
The number is 10
The number is 11
The number is 12
The number is 13
The number is 14
The number is 15

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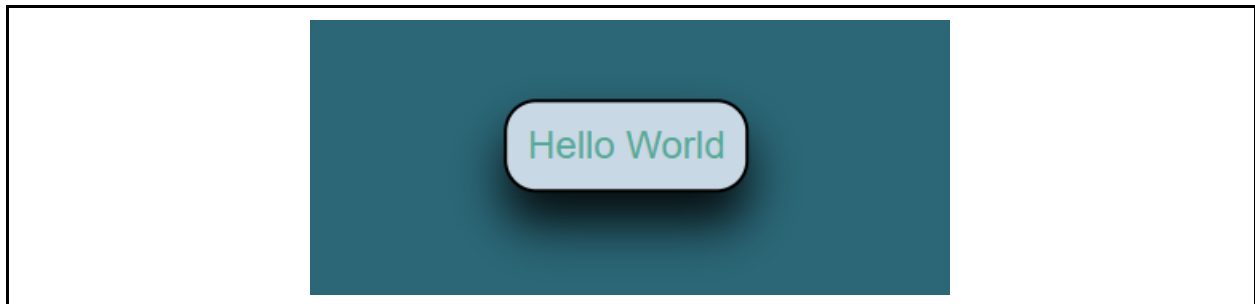
Practical 2

Aim: Write PHP program to print “Hello World” using echo

PHP Code:

```
<html>
  <head>
    <link rel="stylesheet" href="style12-18.css">
    <title></title>
  </head>
  <body>
    <div class="main">
      <?php
        echo "Hello World";
      ?>
    </div>
  </body>
</html>
```

Output:



Practical 3

Aim : Write a PHP program to print “Hello World” using variable

PHP Code:

```
<html>
  <head>
    <link rel="stylesheet" href="style12-18.css">
```

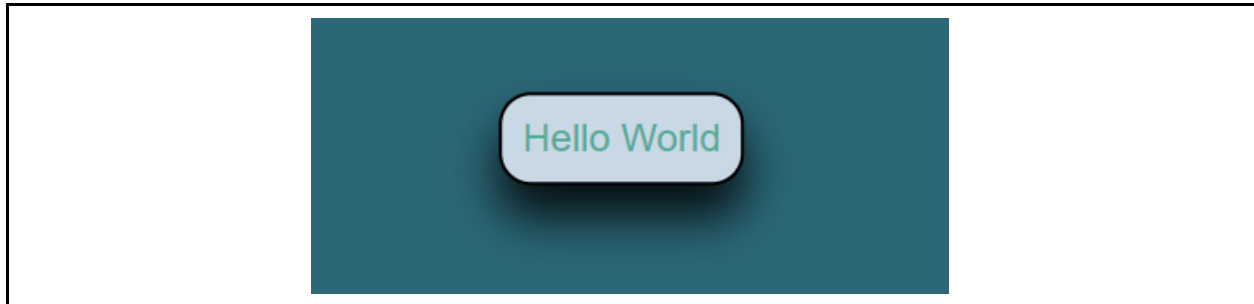
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```
<title></title>
</head>
<body>
  <div class="main">
    <?php
      print "Hello World";
    ?>
  </div>
</body>
</html>
```

Output:



Practical 4

Aim : Write a PHP program to print two variables in single echo

Conditions

- First variable have text “Good Morning.”
- Second variable have text “Have a nice day!”
- Your output should be “Good morning. Have a nice day!”
- You are allowed to use only one echo statement in this program.

PHP Code:

```
<html>
  <head>
    <title></title>
    <link rel="stylesheet" href="style12-18.css">
  </head>
  <body>
    <div class="main">
```

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```
<?php
    $one = "Good Morning";
    $two = "Have a nice day!";
    echo "$one ".$two";
?>
</div>
</body>
</html>
```

Output:



Good Morning Have a nice day!

Practical 5

Aim: Write PHP program to check student grade based on marks using if-else statement

Conditions:

- If marks are 60% or more, grade will be First Division.
- If marks between 45% to 59%, grade will be Second Division.

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- If marks between 33% to 44%, grade will be Third Division.
- If marks are less than 33%, student will be Fail.

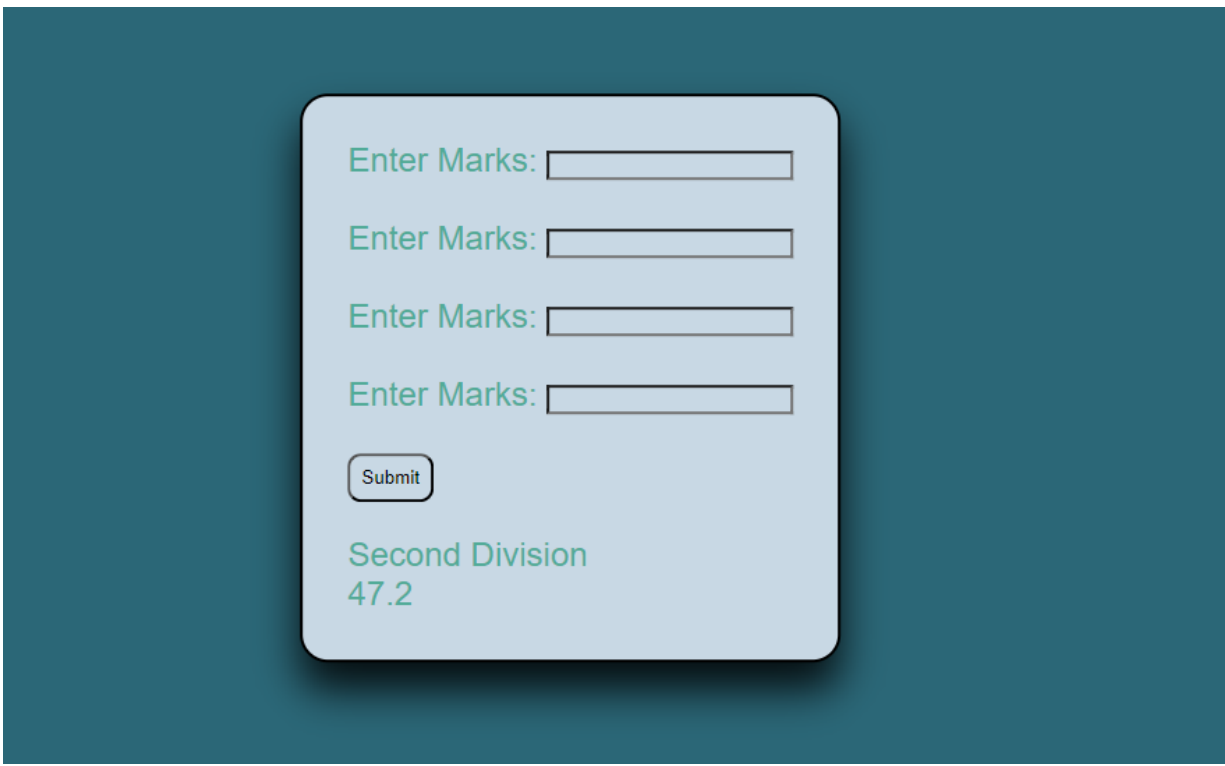
PHP Code:

```
<html>
<head>
  <title></title>
  <link rel="stylesheet" href="style15-18.css">
</head>
<body>
<div class="main">
<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
  Enter Marks: <input type="text" name="userInput1" class="inp">
  <br><br>
  Enter Marks: <input type="text" name="userInput2" class="inp">
  <br><br>
  Enter Marks: <input type="text" name="userInput3" class="inp">
  <br><br>
  Enter Marks: <input type="text" name="userInput4" class="inp">
  <br><br>
  <input type="submit" value="Submit" class="btn">
</form>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST"){
  $rpd = $_POST["userInput1"];
  $wt = $_POST["userInput2"];
  $pp = $_POST["userInput3"];
  $dmp = $_POST["userInput4"];
  $total = 100 * 5;
  $percentage = ((("$rpd" + "$wt" + "$pp" + "$dmp") / "$total") * 100);
  if ($percentage >= 60){
    print "First Division";
  } elseif (45 < $percentage and $percentage < 60){
    print "Second Division";
  } elseif (33 < $percentage and $percentage < 45){
    print "Third Division";
  } elseif ($percentage < 33){
    print "Failed";
  }
  print("<br>$percentage");
}
?>
</div>
```

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

Output:



The screenshot shows a web form with a light blue background. It contains four input fields, each preceded by the text 'Enter Marks:'. Below the input fields is a 'Submit' button. At the bottom of the form, the text 'Second Division' and '47.2' are displayed.

Practical 6

Aim: Write a program to show day of the week using switch statement

Description:

Write a program to show day of the week (for example: Monday) based on numbers using switch/case statements.

Conditions:

- You can pass 1 to 7 number in switch
- Day 1 will be considered as Monday
- If number is not between 1 to 7, show invalid number in default

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PHP Code:

```
<html>
  <head>
    <link rel="stylesheet" href="style12-18.css">
    <title></title>
  </head>
  <body>
    <div class="main">
      <h2>WeekDays</h2>
      <form method="post" action="<?php echo
htmlspecialchars($_SERVER["PHP_SELF"]);?>">
        Enter a number : <input type="text" name="userInput" class="inp">
        <br><br>
        <input type="submit" value="Submit" class="btn">
      </form>
      <?php
        if ($_SERVER["REQUEST_METHOD"] == "POST") {
          $x = $_POST["userInput"];
          switch($x){
            case 1:
              $day = "Monday";
              break;
            case 2:
              $day = "Tuesday";
              break;
            case 3:
              $day = "Wednesday";
              break;
            case 4:
              $day = "Thursday";
              break;
            case 5:
              $day = "Friday";
              break;
            case 6:
              $day = "Saturday";
              break;
            case 7:
```

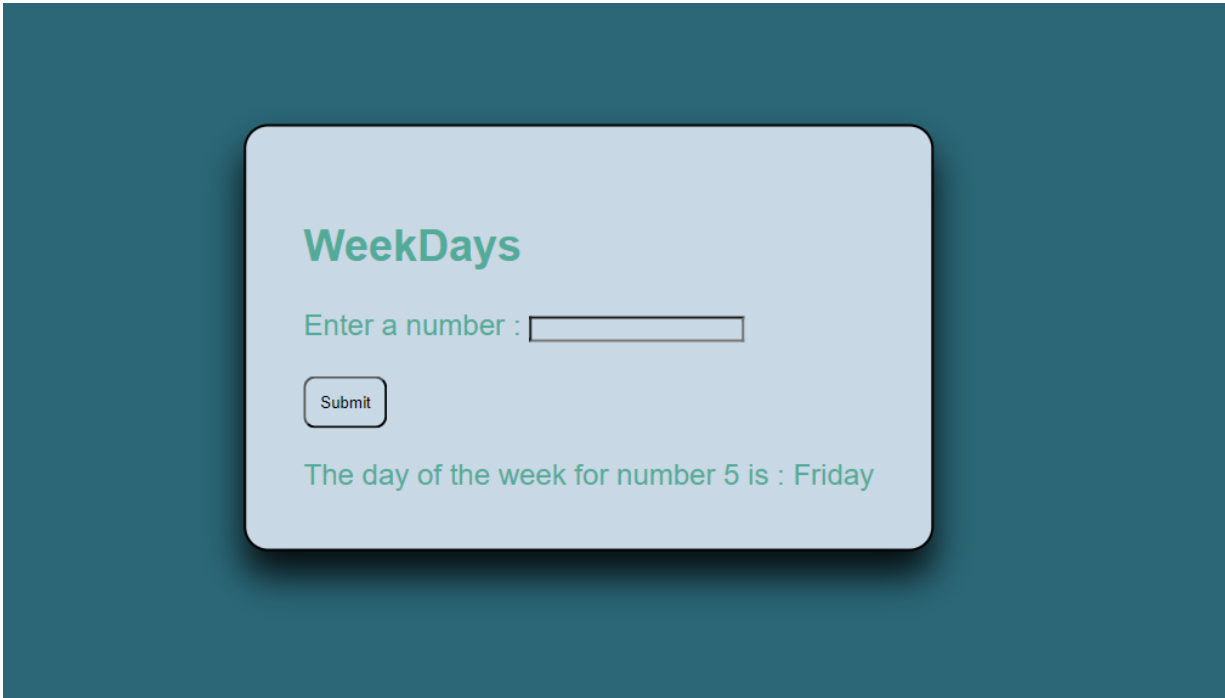
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```
        $day = "Sunday";  
        break;  
    }  
    echo "The day of the week for number $x is : $day";  
}  
?>  
</form>  
</div>  
</body>  
</html>
```

Output:



WeekDays

Enter a number :

The day of the week for number 5 is : Friday

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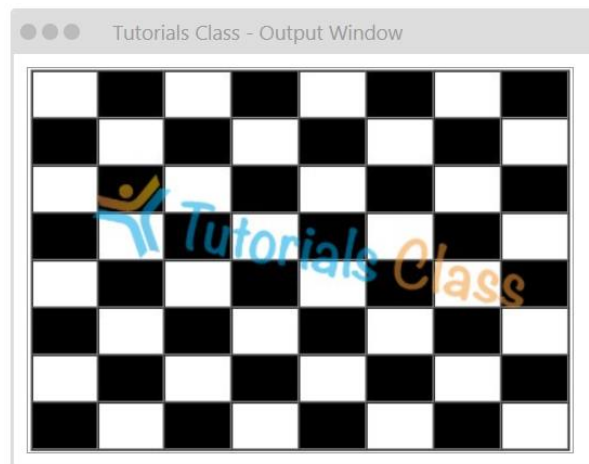
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Practical 7

Aim: Write a program to create Chess board in PHP using the for loop

Description:

Write a PHP program using a nested for loop that creates a chess board.



Conditions:

- You can use an html table having width="400px" and take "30px" as cell height and width for check boxes.

PHP Code:

```
<html>
<head>
  <link rel="stylesheet" href="style12-18.css">
</head>
<body>
  <table width="400px" border="5px" cellspacing="0px">
    <?php
      $value = 0;

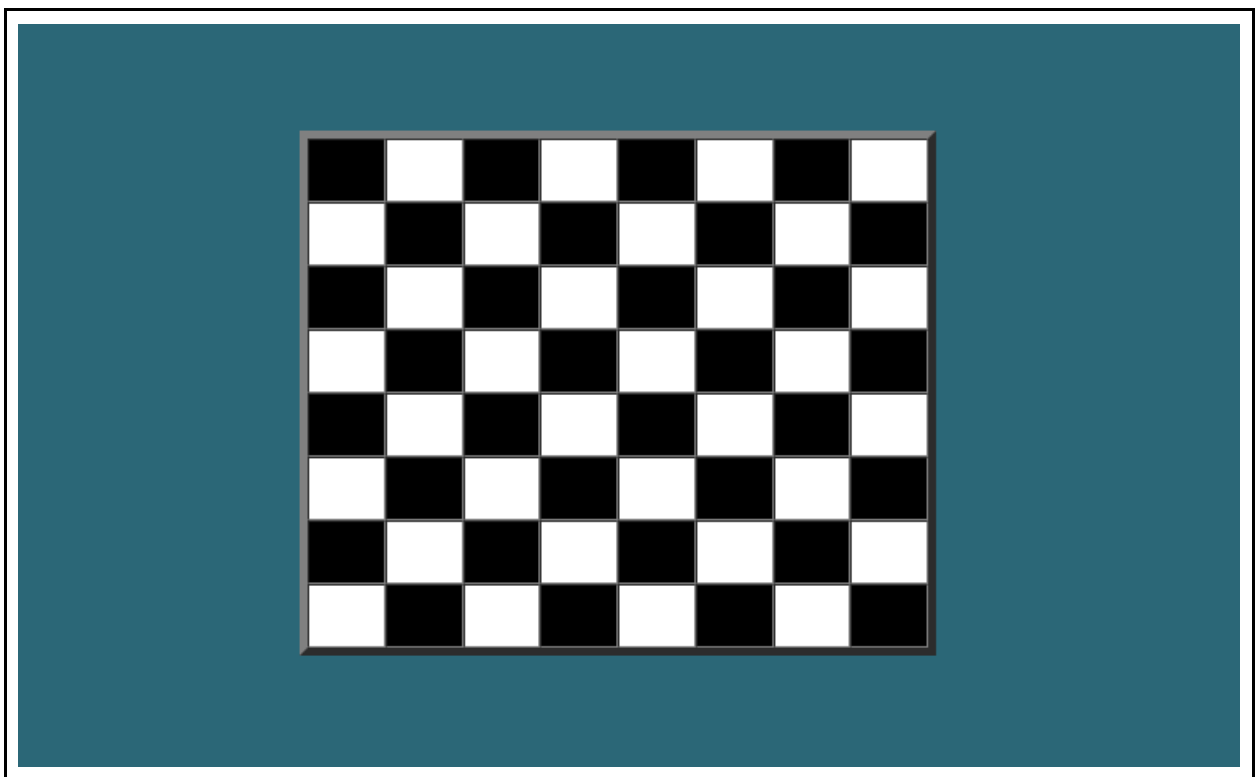
      for($col = 0; $col < 8; $col++) {
        echo "<tr>";
        $value = $col;

        for($row = 0; $row < 8; $row++) {
          if($value%2 == 0) {
            echo
              "<td height=40px width=20px bgcolor=black></td>";
            $value++;
          }
        }
      }
    </?php>
  </table>
</body>
</html>
```

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```
    }  
    else {  
        echo  
        "<td height=40px width=20px bgcolor=white></td>";  
        $value++;  
    }  
}  
echo "</tr>";  
}  
?>  
</table>  
</body>  
</html>
```

Output:



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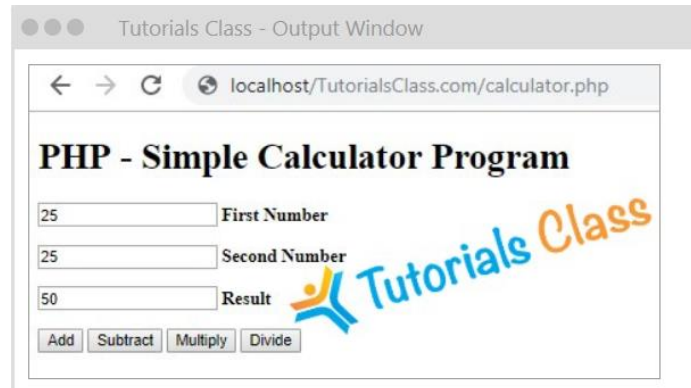
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Practical 8

Aim:

Write a simple calculator program in PHP using the switch statement.



Description:

- You need to write a simple calculator program in PHP using switch case.
- Operations:
 - Addition
 - Subtraction
 - Multiplication
 - Division

PHP Code:

```
<html>
<head>
  <title>Calculator</title>
  <link rel="stylesheet" href="style12-18.css">
</head>
<body>
  <div class="main">
    <h2>Calculator</h2>
    <form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
      <b>Enter first number: </b><input type="text" name="num1" class="inp" required>
      <br><br>
      <b>Enter second number: </b><input type="text" name="num2" class="inp" required>
      <br><br>
      <b>Select operation:</b>
      <select name="operation">
        <option value="addition">Addition</option>
        <option value="subtraction">Subtraction</option>
```

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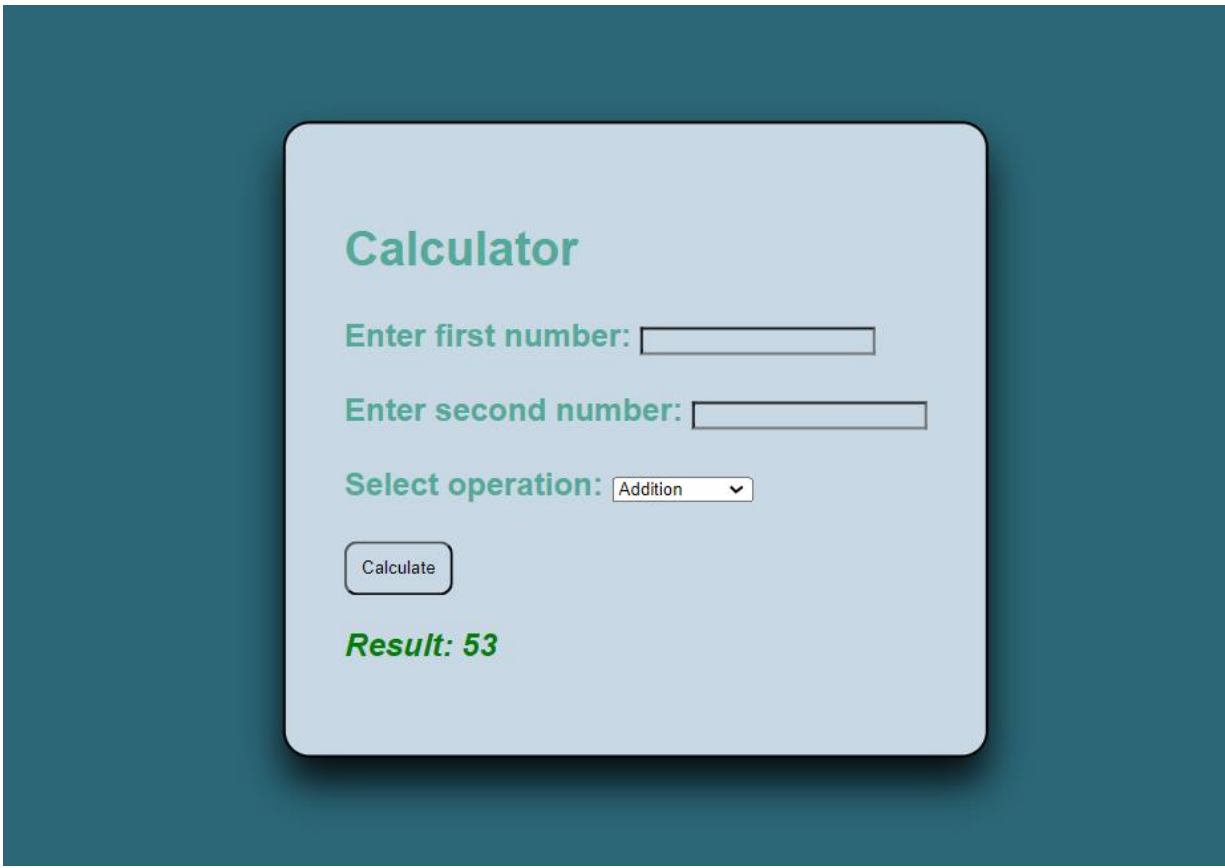
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```
<option value="multiplication">Multiplication</option>
<option value="division">Division</option>
</select>
<br><br>
<input type="submit" value="Calculate" class="btn">
</form>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $num1 = $_POST["num1"];
    $num2 = $_POST["num2"];
    $operation = $_POST["operation"];
    switch ($operation) {
        case "addition":
            $result = $num1 + $num2;
            break;
        case "subtraction":
            $result = $num1 - $num2;
            break;
        case "multiplication":
            $result = $num1 * $num2;
            break;
        case "division":
            if ($num2 != 0) {
                $result = $num1 / $num2;
            } else {
                $result = "Cannot divide by zero";
            }
            break;
        default:
            $result = "Invalid operation";
    }
    echo "<p style='color: green'><b><i>Result: $result</i></b></p>";
}
?>
</div>
</body>
</html>
```

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Output:



The screenshot shows a web-based calculator interface. It has a light blue background with a darker blue header. The title "Calculator" is in a large, bold, green font. Below the title, there are three input fields: "Enter first number:", "Enter second number:", and "Select operation:". The "Select operation:" field is a dropdown menu with "Addition" selected. Below these fields is a "Calculate" button. At the bottom, the result is displayed as "Result: 53" in a green font.

Practical 9:

Aim: Remove specific element by value from an array in PHP

Description:

- You need to write a program in PHP to remove specific element by value from an array using PHP program.
- Instructions:
 - Take an array with list of month names.
 - Take a variable with the name of value to be deleted.
 - You can use PHP array functions or foreach loop.

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Solution 1: using array_search()

- With the help of array_search() function, we can remove specific elements from an array.

HTML Code:

```
<html>
<head>
  <title>Array</title>
  <link rel="stylesheet" href="style12-18.css">
</head>
<body>
  <div class="main">
    <h3>Which day you would like to remove from our
week?<br>(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday)</h3>
    <form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
      <b>Enter Day : </b><input type="text" id="name" name="userInput1">
      <button class="btn">Submit(array_search())</button><br><br>

      <b>Enter Day : </b><input type="text" id="name2" name="userInput2">
      <button class="btn">Submit(foreach())</button><br><br>

      <b>Enter Day : </b><input type="text" id="name3" name="userInput3">
      <button class="btn">Submit(array_diff())</button>
    </form>
```

PHP Code:

```
<?php
//Using array_search()
$days =
array("Monday","Tuesday","Wednesday","Thursday","Friday","Saturday","Sunday");
if ($_SERVER["REQUEST_METHOD"] == "POST") {
  $dayToRemove = $_POST["userInput1"];
  $keyToRemove = array_search($dayToRemove, $days);
  if ($keyToRemove == true) {
    unset($days[$keyToRemove]);
  }
  print_r($days);
}

echo "<br><br>";
```


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Output:

Which day you would like to remove from our week?
(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday)

Enter Day : Submit(array_search())

Enter Day : Submit(foreach())

Enter Day : Submit(array_diff())

Array ([0] => Monday [1] => Tuesday [3] => Thursday [4] => Friday [5] => Saturday [6] => Sunday)

Array ([0] => Monday [1] => Tuesday [2] => Wednesday [3] => Thursday [4] => Friday [5] => Saturday [6] => Sunday)

Array ([0] => Monday [1] => Tuesday [2] => Wednesday [3] => Thursday [4] => Friday [5] => Saturday [6] => Sunday)

Solution 2: using foreach()

By using foreach() loop, we can also remove specific elements from an array.

PHP Code:

```
//Using foreach()
$names =
array("Monday","Tuesday","Wednesday","Thursday","Friday","Saturday","Sunday");
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $nameToRemove = $_POST["userInput2"];
    foreach ($names as $key => $remove){
        if ($remove == $nameToRemove){
            unset($names[$key]);
        }
    }
    print_r($names);
}

echo "<br><br>";
```

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Output:

Solution: using array_diff()

With the help of array_diff() function, we also can remove specific elements from an array.

PHP Code:

```
//Using array_diff()
$months =
array("Monday","Tuesday","Wednesday","Thursday","Friday","Saturday","Sunday");
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $monthToRemove = $_POST["userInput3"];
    $newMonths = array_diff($months, array($monthToRemove));
    print_r($newMonths);
}
?>
</div>
</body>
</html>
```

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Output:

The screenshot shows a web application with a light blue background and a dark teal border. At the top, it asks "Which day you would like to remove from our week?" followed by "(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday)". Below this, there are three identical input sections. Each section consists of a text input field labeled "Enter Day :" and a button labeled "Submit(array_search())", "Submit(foreach())", and "Submit(array_diff())" respectively. At the bottom, there are three lines of output text, each preceded by "Array ([0] => Monday [1] => Tuesday [2] => Wednesday [3] => Thursday [4] => Friday [5] => Saturday [6] => Sunday)".

Practical 10

Aim: Write a PHP program to check if a person is eligible to vote or not.

Description:

Write a PHP program to check if a person is eligible to vote or not.

Condition

- Minimum age required for vote is 18.
- You can use PHP Functions.
- You can use Decision Making Statements.

PHP Code:

```
<html>
  <head>
    <title>Eligibility to Vote</title>
    <link rel="stylesheet" href="style12-18.css">
  </head>
  <body>
    <div class="main">
```

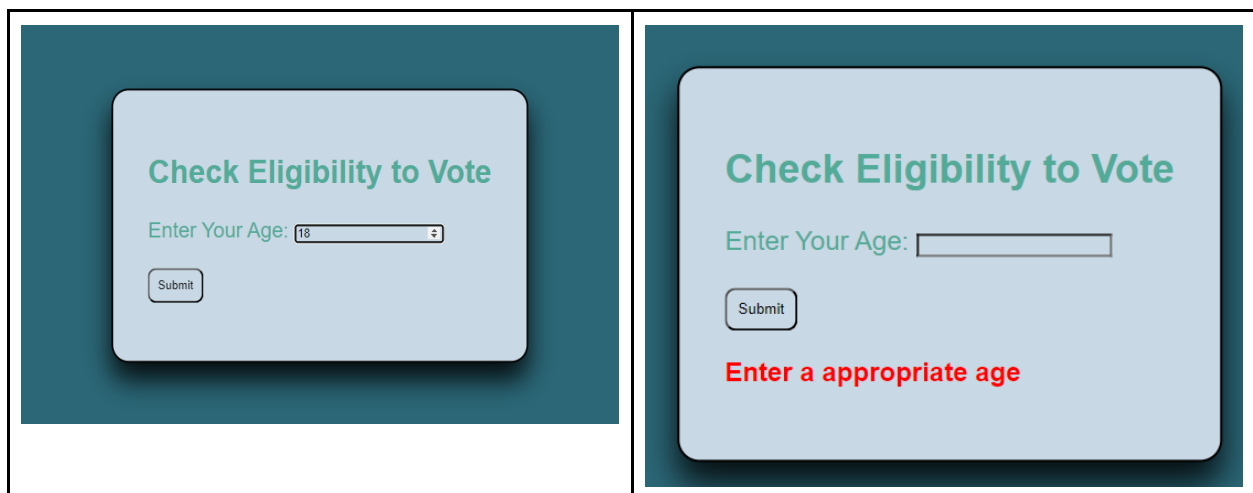
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```
<h2>Check Eligibility to Vote</h2>
<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
  Enter Your Age: <input type="number" name="age" class="inp" required>
  <br><br>
  <input type="submit" name="submit" value="Submit" class="btn">
</form>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST"){
  $age = $_POST['age'];
  if($age >= 100){
    echo "<p style='color:red'><b>Enter a appropriate age</b></p>";
  } elseif ($age <= 0){
    echo "<p style='color:red'><b>Enter a appropriate age</b></p>";
  } elseif ($age < 18){
    echo "<p>Sorry, you are not eligible to vote.</p>";
  }
  else{
    echo "Congratulations! You are eligible to vote";
  }
}
?>
</div>
</body>
</html>
```

Output:



The image displays two side-by-side screenshots of a web form titled "Check Eligibility to Vote".

The left screenshot shows the form with the "Enter Your Age:" label, a text input field containing the number "18", and a "Submit" button below it.

The right screenshot shows the same form, but the input field is empty. Below the input field, the text "Enter a appropriate age" is displayed in red, indicating a validation error.

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Practical 11

Aim : Write a PHP program to calculate the area of a rectangle.

Description:

Write a PHP program to calculate area of rectangle by using PHP Function.

Condition

- You must use a PHP Function.
- There should be two arguments i.e. length & width.

PHP Code:

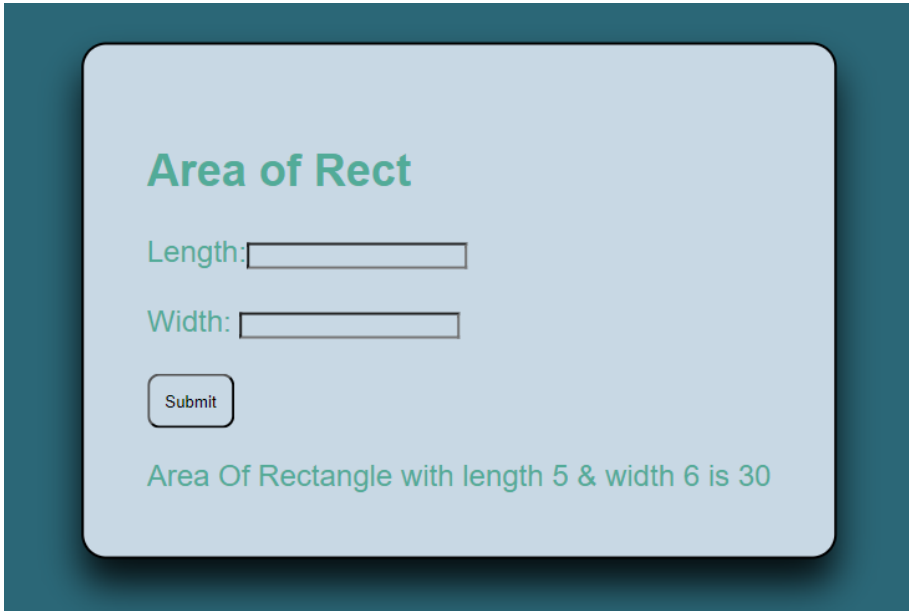
```
<html>
<head>
  <title></title>
  <link rel="stylesheet" href="style12-18.css">
</head>
<body>
  <div class="main">
    <h2>Area of Rect</h2>
    <form method = "post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
      Length:<input type="text" name = "length" class="inp">
      <br><br>
      Width:  <input type="text" name = "width" class="inp">
      <br><br>
      <input type="submit" value = "Submit" name = "submit" class="btn">
    </form>
    <?php
      if($_SERVER["REQUEST_METHOD"] == "POST"){
        function rect_area() {
          $length = $_POST["length"];
          $width = $_POST["width"];
          $area = $length * $width;
          echo "Area Of Rectangle with length " . $length . " & width " . $width . " is " . $area ;
        }
        rect_area();
      }
    ?>
  </div>
</body>
</html>
```

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Output:



The screenshot shows a web form with a light blue background and a dark teal border. The form is titled "Area of Rect" in a green font. Below the title, there are two input fields: "Length:" and "Width:". Below these fields is a "Submit" button. At the bottom of the form, a message is displayed: "Area Of Rectangle with length 5 & width 6 is 30".

Practical 12

Aim: Write a PHP program to check whether a number is positive, negative or zero.

Description:

Write a PHP program to check whether a number is positive, negative or zero.

Instructions:

- You can use if else conditions.
- You should use appropriate PHP Operators.
- Also check if it is not a numeric value.

PHP Code:

```
<html>
<head>
  <title></title>
  <link rel="stylesheet" href="style12-18.css">
</head>
<body>
  <div class="main">
    <h2>Check -ve,zero,+ve value</h2>
    <form method = "post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
      Enter the no:<input type="text" name="userInput" class="inp">
```

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```
<br><br>
<input type="submit" name="submit" value="Submit" class="btn">
</form>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $var = $_POST["userInput"];
    if(!is_numeric($var)){
        print "<p style='color:red'><b>Enter a numeric value</b></p>";
    }elseif ($var<0){
        echo "The Number is Negative";
    } elseif($var == 0){
        echo "The number is zero";
    } else{
        echo "The number is positive";
    }
}
?>
</div>
</body>
</html>
```

Output:



Check -ve,zero,+ve value

Enter the no:

The number is zero

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Practical 13

Aim: Write a PHP program to reverse the string

Description:

Write a PHP program to reverse the string.

Instructions:

- You can use any string related built-in Function.
- You can use only one variable.

PHP Code:

```
<html>
<head>
  <title></title>
  <link rel="stylesheet" href="style12-18.css">
</head>
<body>
  <div class="main">
    <h2>Reverse a string</h2>
    <form method = "post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
      Enter a string:<br>
      <textarea type="text" name="userInput" class="inp" cols=50 rows=10></textarea>
      <br><br>
      <input type="submit" name="submit" value="Reverse" class="btn">
    </form>
    <?php
      if ($_SERVER["REQUEST_METHOD"] == "POST"){
        $str = $_POST["userInput"];
        echo strrev($str);
      }
    ?>
  </div>
</body>
</html>
```


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Set V - PHP

Output:

Reverse a string

Enter a string:

.yrtsudni gnittesepyt dna gnitnirp eht fo txet ymmud ylpmis si muspl meroL

Practical 14

Aim: Write a PHP program to find the length of the string

Description:

Write a PHP program to find the length of the string.

Instructions:

- You have to use one variable.
- You must use a built-in PHP String Function.

PHP Code:

```
<html>
<head>
  <title></title>
  <link rel="stylesheet" href="style12-18.css">
</head>
<body>
```

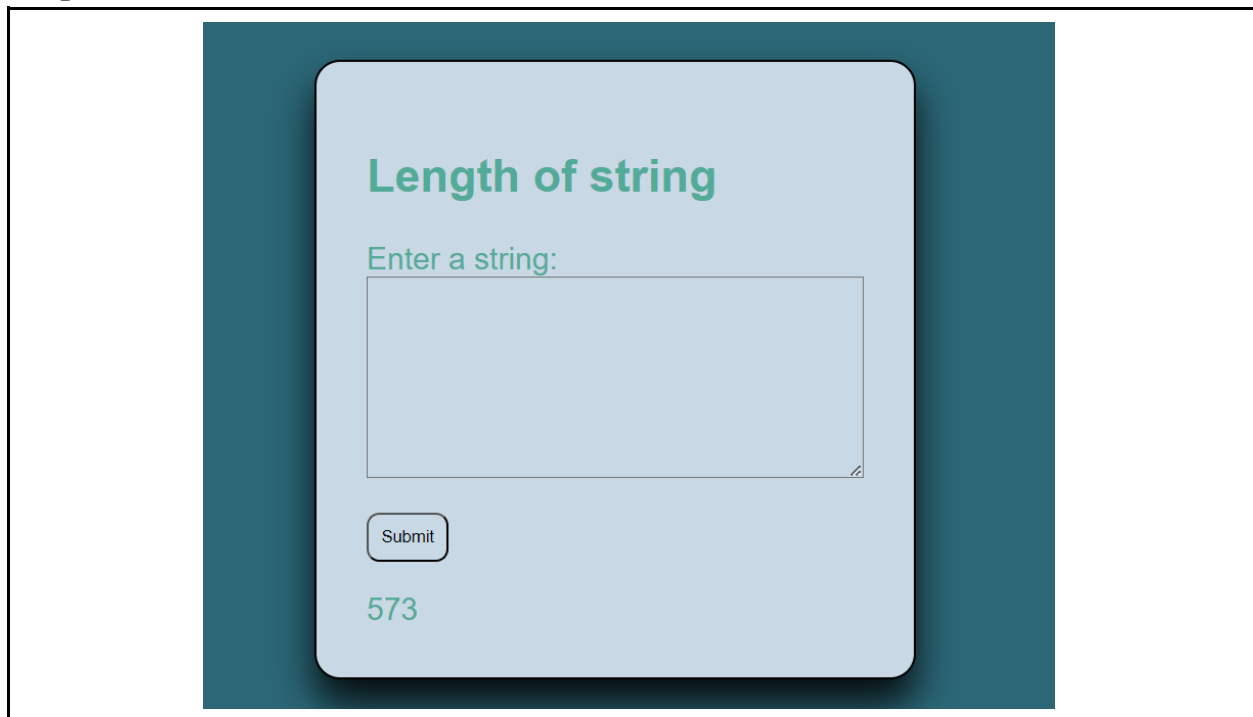
Web Technology-HTML, CSS, JS and PHP()

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Set V - PHP

```
<div class="main">
<h2>Length of string</h2>
<form method = "post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
  Enter a string:<br>
  <textarea type="text" name="userInput" class="inp" cols=50 rows=10></textarea>
  <br><br>
  <input type="submit" name="submit" value="Submit" class="btn">
</form>
<?php
  if ($_SERVER["REQUEST_METHOD"] == "POST"){
    $str = $_POST["userInput"];
    echo strlen($str);
  }
?>
</div>
</body>
</html>
```

Output:



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Set V - PHP

Practical 15

Aim: Write a PHP program to count the words in the string

Description:

Write a PHP program to count the words in the string.

Instructions:

- You can use only one variable.
- You can use PHP's built-in String Function.

PHP Code:

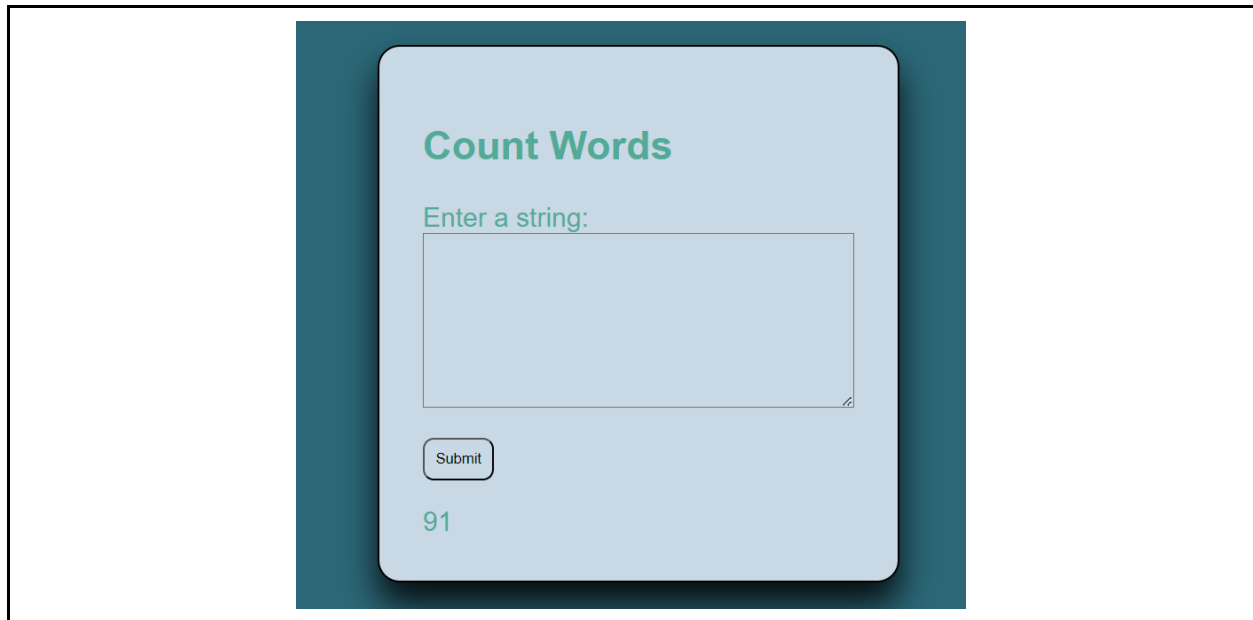
```
<html>
  <head>
    <title></title>
    <link rel="stylesheet" href="style12-18.css">
  </head>
  <body>
    <div class="main">
      <h2>Count Words</h2>
      <form method = "post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
        Enter a string:<br>
        <textarea type="text" name="userInput" class="inp" cols=50 rows=10></textarea>
        <br><br>
        <input type="submit" name="submit" value="Submit" class="btn">
      </form>
      <?php
        if ($_SERVER["REQUEST_METHOD"] == "POST"){
          $str = $_POST["userInput"];
          echo str_word_count($str);
        }
      ?>
    </div>
  </body>
</html>
```

Output:

Web Technology-HTML, CSS, JS and PHP()

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Set V - PHP



Practical 16

Aim: Write PHP program to convert a string into uppercase

Description:

Write a PHP program to convert all the characters inside the string into uppercase.

Instructions:

- You can use only one variable.
- You should use a PHP built-in string Function

PHP Code:

```
<html>
<head>
  <title></title>
  <link rel="stylesheet" href="style12-18.css">
</head>
<body>
<div class="main">
<h2>Convert to uppercase</h2>
<form method = "post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
  Enter a string:<br>
  <textarea type="text" name="userInput" class="inp" cols=50 rows=10></textarea>
  <br><br>
  <input type="submit" name="submit" value="Submit" class="btn">
```

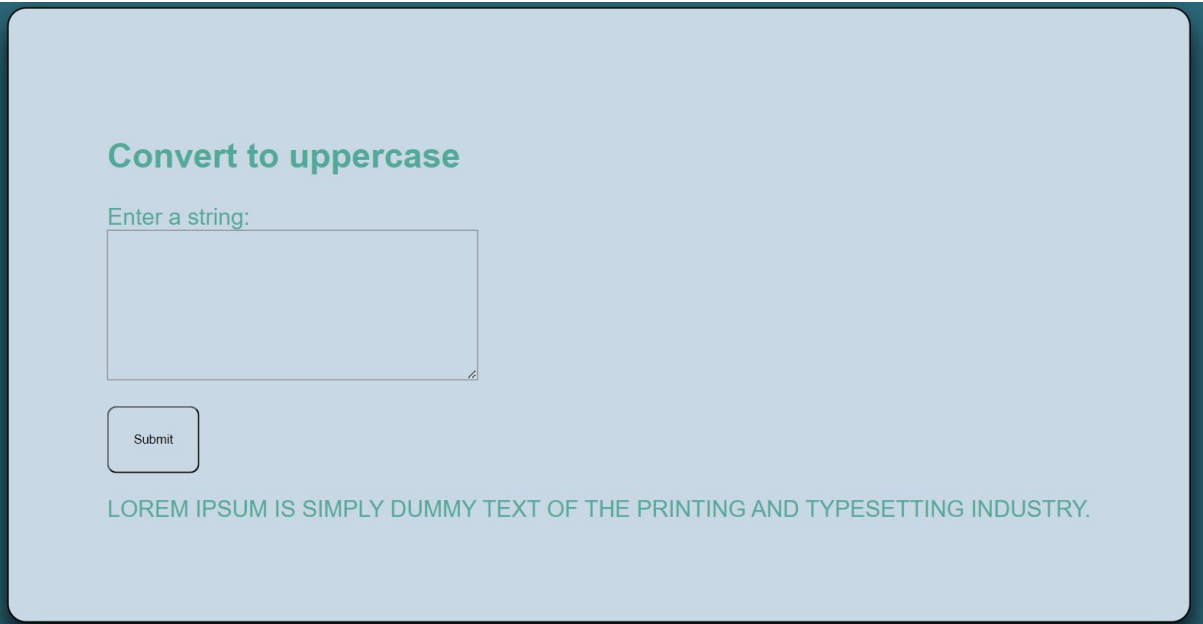
Web Technology-HTML, CSS, JS and PHP()

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Set V - PHP

```
</form>
<?php
    if ($_SERVER["REQUEST_METHOD"] == "POST"){
        $str = $_POST["userInput"];
        echo strtoupper($str);
    }
?>
</div>
</body>
</html>
```

Output:



Convert to uppercase

Enter a string:

LOREM IPSUM IS SIMPLY DUMMY TEXT OF THE PRINTING AND TYPESETTING INDUSTRY.

Practical 17

Aim: PHP Array to String Conversion (favourite colors chosen by user)

Description:

Write an exercise for PHP Array to String Conversion.

- Create a form that accept name as well as colors
- After submission, form data will be sent to another page
- Display select colors (as a list) and user name

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Set V - PHP

- User name & colors selection is mandatory

PHP Code:

Output:

Array to Strings

Favourite Colors Form

Choose colors from:

1. Red
2. Blue
3. Green
4. Yellow
5. Purple

Name:

Favourite Colors:

Array to Strings

Favourite Colors Form

Choose colors from:

1. Red
2. Blue
3. Green
4. Yellow
5. Purple

Name:

Favourite Colors:

Name :
Harshit

Colour :
green

Practical 18

Aim: How to check if an array is a subset of another in PHP?

Description:

You need to find whether an array is subset of another array.

Let us suppose that there are two arrays.

- First array is large which have 6 values.
- Second array is small which have 2 values
- Find if second array is subset of first which means that all values of second array should exists in first array.
- You can use Decision Making Statements.

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Set V - PHP

PHP Code:

```
<html>
<head>
  <title>Subset of Array</title>
  <link rel="stylesheet" href="Style12-18.css">
</head>
<body>
  <div class="main">
    <h2>Array Subset</h2><br>
    <h3>Array1 = red, blue, green, yellow, orange, purple <br>Array2 = blue, green</h3>
    <?php
      $largeArray = array("red", "blue", "green", "yellow", "orange", "purple");
      $smallArray = array("blue", "green");
      function arrayIsSubset($smallArray, $largeArray) {
        foreach ($smallArray as $value) {
          if (!in_array($value, $largeArray)) {
            return false;
          }
        }
        return true;
      }
      if (arrayIsSubset($smallArray, $largeArray)) {
        echo "<p style='color:green'><b>The second array is a subset of the first array.</b></p>";
      } else {
        echo "<p style='color:red'><b>The second array is not a subset of the first
array.</b></p>";
      }
    ?>
  </div>
</body>
</html>
```

Output:

Array Subset

Array1 = red, blue, green, yellow, orange, purple
Array2 = blue, green

The second array is a subset of the first array.

Web Technology-HTML, CSS, JS and PHP()

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Set V - PHP

CSS Code:

```
body{
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%,-50%);
    font-family:sans-serif;
    background-color: #2b6777;
}
.main{
    background-color: #c8d8e4;
    padding: 10%;
    width: max-content;
    border-radius: 20px;
    box-shadow: 0 20px 30px rgba(0, 0, 0, 0.874) ;
    font-size: x-large;
    border: 2px solid black;
    color: #52ab98;
}
.inp{
    background-color: transparent;
}
.btn{
    text-align: center;
    padding: 2.5%;
    background-color: transparent;
    border-radius: 10px;
}
```

Practical 19

Aim: Contact Form

PHP Code:

```
<html>
  <head>
    <title>CONTACT FORM</title>
    <link rel="stylesheet" href="contact1.css">
  </head>
  <body>
    <div class="main">
      <div class="up">
```



```
<h1>CONTACT US</h1>  
<div class="upl"></div>  
<h3>Fill out the form below to learn more!</h3>  
</div>  
<div class="lp">  
    <form method="post" action="?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">  
        <table>  
            <tr>  
                <td><label for="first_name">Name</label><br>  
                    <input type="text" name="name" placeholder="John" required></td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
                </tr>  
            </table>  
            <br>  
            <table>  
                <tr>  
                    <td><label for="email" class="req">email</label><br>  
                        <input type="email" name="email" placeholder="john.smith@gmail.com" required></td>  
                    </tr>  
                </table>  
                <br>  
                <div class="grad"></div>  
                <br>  
                <table>  
                    <tr>  
                        <td><label for="comments">comments</label>  
                            <textarea cols="46" rows="3" name="message" required></textarea></td>  
                        </tr>  
                        <tr>  
                            <td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
                        </tr>  
                        <tr></tr>  
                            <td><input class="sub" type="submit" value="Submit">  
                                <small>or press <b>enter</b></small></td>  
                            </tr>  
                        </table>  
                    </form>  
                </div>  
            </div>  
            <?php  
            if ($_SERVER["REQUEST_METHOD"] == "POST") {  
                $name = $_POST["name"];  
                $email = $_POST["email"];  
                $message = $_POST["message"];  
                $to = "mjdevansh@gmail.com";  
                $subject = "New Contact Form Submission";  
                $headers = "From: $email";  
                $mailContent = "Name: $name\n";
```

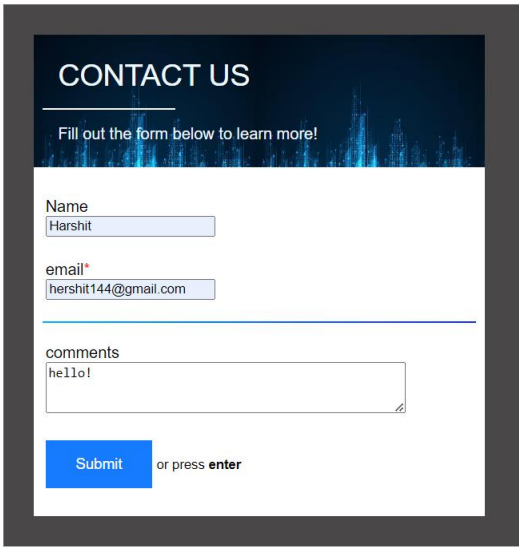
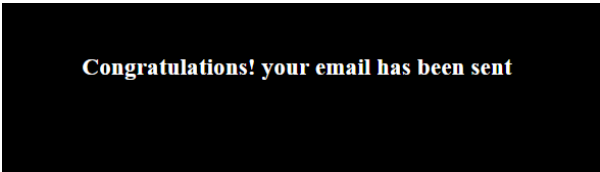
Web Technology-HTML, CSS, JS and PHP()

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Set V - PHP

```
$mailContent .= "Email: $email\n\n";  
$mailContent .= "Message:\n$message";  
mail($to, $subject, $mailContent, $headers);  
header("Location: thanks.html");  
exit;  
}  
?>  
</body>  
</html>
```

Output:

	
--	--

Practical 20

Aim: Register Form

PHP Code:

```
<html>  
<head>  
  <title>Registration Form</title>  
</head>  
<body>  
  <div class="main">  
    <form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>" method="post"
```

Web Technology-HTML, CSS, JS and PHP()

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Set V - PHP

```

method="post">
<table>
  <tr>
    <td>
      <label for="name"><b>Fullname:</b></label><br>
      <input type="text" id="name" name="name" required><br><br>
    </td>
    <td class="left">
      <label for="name"><b>Username:</b></label><br>
      <input type="text" id="username" name="username" required><br><br>
    </td>
  </tr>
  <tr>
    <td>
      <label for="email"><b>Email:</b></label><br>
      <input type="email" id="email" name="email" required><br><br>
    </td>
    <td class="left">
      <label for="email"><b>Phone number:</b></label><br>
      <input type="text" id="phonenumber" name="phonenumber" required><br><br>
    </td>
  </tr>
  <tr>
    <td>
      <label for="password"><b>Password:</b></label><br>
      <input type="password" id="password" name="password" required><br><br>
    </td>
    <td class="left">
      <label for="confirm_password"><b>Confirm Password:</b></label><br>
      <input type="password" id="confirm_password" name="confirm_password"
required><br><br>
    </td>
  </tr>
</table>
<h3>Gender</h3>
<input type="radio" value="Male" name="1"> Male
<input style="margin-left: 5%;" type="radio" value="Female" name="1"> Female
<input style="margin-left: 5%;" type="radio" value="Prefer not to say" name="1"> Prefer not to say
<br><br><br>
<button class="button glow">Register</button>
</form>
</div>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = $_POST["name"];
    $email = $_POST["email"];
    $username = $_POST["username"];

```

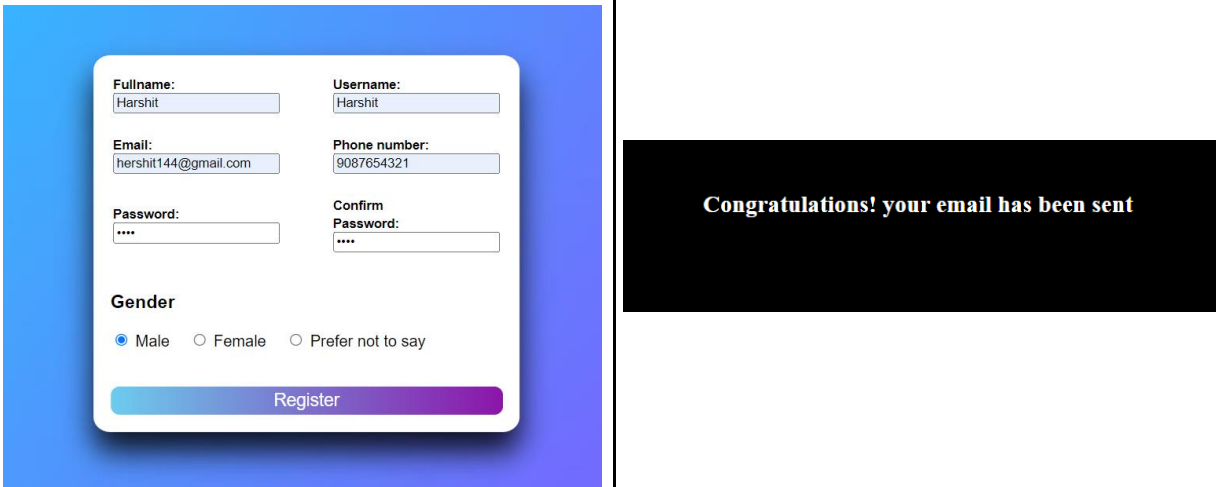
Web Technology-HTML, CSS, JS and PHP()

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Set V - PHP

```
$phonenumber = $_POST["phonenumber"];
$password = $_POST["password"];
$confirmPassword = $_POST["confirm_password"];
if ($password !== $confirmPassword) {
    die("Error: Passwords do not match.");
}
$hashedPassword = password_hash($password, PASSWORD_DEFAULT);
$userData = [
    'name' => $name,
    'email' => $email,
    'username' => $username,
    'phone_number' => $phonenumber,
    'hashed_password' => $hashedPassword,
];
header("Location: thanks.html");
exit;
}
?>
</body>
</html>
```

Output:



The image shows a registration form on the left and a confirmation message on the right. The form is titled 'Register' and contains fields for Fullname, Username, Email, Phone number, Password, Confirm Password, and Gender. The Gender field has three radio buttons: Male (selected), Female, and Prefer not to say. The form is set against a blue gradient background. The confirmation message on the right is a black box with white text that reads 'Congratulations! your email has been sent'.

Fullname: Harshit	Username: Harshit
Email: hersh144@gmail.com	Phone number: 9087654321
Password: ****	Confirm Password: ****
Gender <input checked="" type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Prefer not to say	
Register	

Congratulations! your email has been sent

Web Technology-HTML, CSS, JS and PHP()

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Set V - PHP

Practical 21

Aim: Good Vibe Form

PHP Code:

```
<html>
<head>
<title>Good Vibes form</title>
<link rel="stylesheet" href="gv.css">
</head>
<body>
<div class="sky">
<h1>Good Vibes Form</h1>
<div class="wh">
<h2>Tell us something positive that happened to you today</h2>
<form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>" method="post"
method="post">
<table>
<tr>
<td class="lab"><label for="name">Name</label></td>
<td><input type="text" name="name" placeholder="Enter your name" class="inp" required></td>
</tr>
<tr>
<td>&nbsp;</td>
</tr>
<tr>
<td class="lab"><label for="email">Email</label></td>
<td><input type="text" name="email" placeholder="Enter your email address" class="inp"
required></td>
</tr>
<tr>
<td>&nbsp;</td>
</tr>
<tr>
<td class="lab"><label for="scale">On a scale,how good was it?</label></td>
<td><input type="text" name="scale" placeholder="Enter a number between 1 and 10" class="inp"
></td>
</tr>
<tr>
<td>&nbsp;</td>
</tr>
<tr>
<td class="lab"><label for="happened">Where did in happen?</label></td>
<td><select name="happened" id="happ"><option>At home</option><option>At
playground</option><option>At college</option></select></td>
</tr>
```

Web Technology-HTML, CSS, JS and PHP()

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Set V - PHP

```

        <tr>
            <td>&nbsp;</td>
        </tr>
        <tr>
            <td class="lab"><label for="time">At what time of day did it happen?</label></td>
            <td><input type="radio" name="time" value="Morning">Morning<br>
                <input type="radio" name="time" value="Afternoon">Afternoon<br>
                <input type="radio" name="time" value="Evening">Evening
            </td>
        </tr>
        <tr>
            <td>&nbsp;</td>
        </tr>
        <tr>
            <td class="lab"><label for="exp">What emotions did you experience?<br>(Select all that
apply)</label></td>
            <td><input type="checkbox" name="exp" value="Excited">Excited<br>
                <input type="checkbox" name="exp" value="Humbled">Humbled<br>
                <input type="checkbox" name="exp" value="Elated">Elated<br>
                <input type="checkbox" name="exp" value="Loved">Loved<br>
                <input type="checkbox" name="exp" value="Enthusiastic">Enthusiastic
            </td>
        </tr>
        <tr>
            <td>&nbsp;</td>
        </tr>
        <tr>
            <td class="lab"><label for="des">Please describe your positive experience.</label></td>
            <td><textarea class="inp" name="message" placeholder="Enter your experience here.."
required></textarea></td>
        </tr>
        <tr>
            <td>&nbsp;</td>
        </tr>
        <tr>
            <td style="text-align: center;"><input class="sub" type="submit" value="Submit"></td>
        </tr>
    </table>
</form>
</div>
</div>
<?php
    if ($_SERVER["REQUEST_METHOD"] == "POST") {
        $name = $_POST["name"];
        $email = $_POST["email"];
        $message = $_POST["message"];
        $positiveMessages = [

```

Web Technology-HTML, CSS, JS and PHP()

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Set V - PHP

```
'name' => $name,  
'email' => $email,  
'message' => $message,  
];  
header("Location: thanks.html");  
exit;  
}  
?>  
</body>  
</html>
```

Output:

<div><h3>Good Vibes Form</h3><p>Tell us something positive that happened to you today</p><p>Name <input type="text" value="Harshit"/></p><p>Email <input type="text" value="hershit144@gmail.com"/></p><p>On a scale, how good was it? <input type="text" value="10"/></p><p>Where did it happen? <input type="text" value="At college"/></p><p>At what time of day did it happen? <input type="radio"/> Morning <input checked="" type="radio"/> Afternoon <input type="radio"/> Evening</p><p>What emotions did you experience? (Select all that apply) <input checked="" type="checkbox"/> Excited <input type="checkbox"/> Humbled <input type="checkbox"/> Elated <input type="checkbox"/> Loved <input type="checkbox"/> Enthusiastic</p><p>Please describe your positive experience: <input type="text" value="It was awesome!"/></p><p><input type="button" value="Submit"/></p></div>	<div><h3>Congratulations! your email has been sent</h3></div>
--	---

References

1. <https://www.freecodecamp.org/news/the-php-handbook/>
2. <https://tutorialclass.com/exercises/php/php-all-exercises-assignments/>
3. <https://www.codeproject.com/articles/759094/step-by-step-php-tutorials-for-beginners-creating> (Mini Project Live Demo with the kids)