PRACTICE PROGRAM:-

1. Write a PHP Script to display a maximum of two numbers.

ANS:

HTML 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="Q1.php">
        <h1>finding maximum of two number!</h1>
        Enter first number: <input type="text" name="first" ><br>
        <br>
        Enter second number: <input type="text" name="second"><br>
        <br>
        <button>max is!</button>

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

PHP CODE:

```
<?php
    $n1 = $_GET["first"];
    $n2 = $_GET["second"];
```

```php
    if ($n1>$n2) {

        echo("\n $n1 is greater than $n2!");

    } else {

        echo("\n $n2 is greater than $n1!");

    }

?>
```

----

2. Write a PHP Script to check whether a number is positive or negative.

ANS:

HTML CODE:

```html
<!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>

    <h1>check number is positive or negative!</h1>

    <form action="Q2.php">

        Enter a number: <input type="text" name="num"><br>

        <br>

        <button>click to check!</button>

    </form>

</body>

</html>
```

PHP CODE:

```php
<?php
```

```php
    $n = $_GET["num"];


    if ($n>0) {

      echo("\n the $n is positive number!");

    } else {

      echo("\n the $n is negative number!");

    }

?>
```

----

3. Write a PHP Script to display a Multiplication table of a number.

ANS:

HTML CODE:

```html
<!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>

  <h1>making multiplication table of given number!</h1>

  <form action="Q3.php">

    Enter a number: <input type="text" name="num"><br>

    <br>

    <button>click to display!</button>

  </form>
```

```
</body>

</html>
```

PHP CODE:

```php
<?php
    $n = $_GET["num"];
    $i=1;
    while ($i<=10) {
        $t=$n*$i;
        echo("$t"."<br>");
        $i++;
    }
?>
```

SET A:

1. Write a PHP Script to check whether a year is a leap or not.

ANS:

HTML & PHP CODE:

```html
<html>
    <body>
        <form action="Q1.php" method="post">
            Enter a year:<input type="text" name="ye"><br>
            <button>click me!</button>
        </form>
    </body>
</html>
```

```php
<?php
if ($_SERVER["REQUEST_METHOD"]=="POST") {
```

```php
    $y=$_POST['ye'];

    if ($y%4==0) {

        echo"$y is a leap year!";

    }

    else {

        echo"$y is not leap year!";

    }

}
?>
```

----

2. Write a PHP Script which will perform the Addition, Subtraction, Multiplication, and Division of two numbers as per the choice. (Use Switch Case).

ANS:

HTML & PHP CODE:

```html
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <div class="main">

    <form action="Q2.php" method="post">

        <u>Enter first number</u>: <input type="text" name="first" ><br>

        <br>

        <u>Enter second number</u>: <input type="text" name="second"><br>

        <br>

        <b>choice</b>: <select name="selection">

            <option value="1">Addition</option>
```

```html
        <option value="2">Subtraction</option>

        <option value="3">Multiplication</option>

        <option value="4">Division</option>

    </select><br>

    <br>

    <button>click to calculate!</button><br>

    <br>

  </form>

</div>

</body>

</html>
```
```php
<?php

  if ($_SERVER["REQUEST_METHOD"]=="POST") {


    $a=$_POST["first"];

    $b=$_POST["second"];

    $c=$_POST["selection"];

    $ans;

    switch ($c) {

      case '1':

        $ans=$a+$b;

        echo "Addition of $a and $b = $ans";

        break;

      case '2':

        $ans=$a-$b;

        echo"Subtraction of $a and $b = $ans";

        break;

      case '3':

        $ans=$a*$b;

        echo"Multiplication of $a and $b = $ans";

        break;
```

```php
        case '4':

            $ans=$a/$b;

            echo"Division of $a and $b = $ans";

            break;

        default:

            echo"NO one choice selected!";

            break;

    }

  }

?>
```

----

3. Write a PHP Script to display the grade of the student according to percentage. Use the

following conditions:

Percentage <40 => Grade="Fail"

Percentage >= 40 and Percentage <=50 => Grade= "Pass Class"

Percentage >=50 and Percentage <=60 => Grade= "Higher Second Class"

Percentage >60 and Percentage <=70 => Grade= "First Class"

Percentage >70 => Grade= "First Class with Distinction".

ANS:

HTML & PHP CODE:

```html
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Document</title>

</head>

<body>

  <form action="Q3.php" method="get">

    <u>Enter percentage</u>: <input type="text" name="per"><br>
```

```php
    <br>

    <input type="submit" name="submit">
  </form>
  <?php
  $g="";
if ($_SERVER["REQUEST_METHOD"]=="GET") {
 if (isset($_GET['submit'])) {
    $per=$_GET["per"];

    if ($per>70&&$per<=100) {
      $g="A+";
    }elseif ($per>60&&$per<=70) {
      $g="A";
    }elseif ($per>=50&&$per<=60) {
      $g="B";
    }
    elseif ($per>=40&&$per<=50) {
      $g="C";
    }
    elseif ($per<40) {
      $g="F";
    }
    else{
      $g="percentage<=100";
    }
 }
}
?>
  <u>Grade is</u>: <input type="text" name="grade" value="<?php echo$g;?>"><br>
    <br>
```

```
</body>

</html>
```

SET B:

1. Write a PHP Script to display prime numbers between 1 to 50.

ANS:

HTML & PHP CODE:

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <h1>Enter range to display prime numbers!</h1>

    <form action="Q1.php" method="POST">

        Enter starting of range: <input type="text" name="s">

        <br>

        Enter End of range: <input type="text" name="E" ><br>

        <br>

        <button>click</button>

    </form>

</body>

</html>

<?php

if ($_SERVER["REQUEST_METHOD"]=="POST") {

    $start= $_POST["s"];

    $end=$_POST["E"];
```

```php
    for ($i=$start; $i <= $end ; $i++) {

        $flag=0;

      for ($j=2; $j < $i ; $j++) {

          if ((int)$i%$j==0) {

             $flag=1;

              break;

          }

       }

     if ($flag==0){

         echo$i."<br>";

     }

   }

}

?>
```

----

2. Write a PHP Script to display a perfect numbers between 1 to100.

ANS:

PHP CODE:

```php
<?php
   echo"<h1>This program to print perfect numbers between 1 to 100!</h1>";

    $s=0;

   for ($i=1; $i < 100; $i++) {

      $j=1;

      while ($j < $i) {

          if ($i%$j==0) {

             $s=$s+$j;

          }

          $j++;

      }

      if ($s==$i) {
```

```php
        echo"<strong><big>$i</big></strong>"."<br>";

    }

    $s=0;

  }

?>
```

----

3. Write a PHP Script to display the reverse of a number. E.g. 607 =>706.

ANS:

HTML CODE:

```html
<!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>

    <h1>Give a number for reverse!</h1>

    <form action="Q3.php">

        Enter a number: <input type="text" name="num"><br>

        <br>

        <button>click to reverse</button>

    </form>

</body>

</html>
```


PHP CODE:

```php
<?php
    $n = $_GET["num"];

    $rev=0;

    $temp = $n;

    while ((int)$n>0) {

        $d = $n%10;

        $rev =($rev*10)+$d;

        $n=$n/10;

    }

    echo("the reverse of $temp is ".$rev);

?>
```

----

4. Write a PHP Script to display Armstrong numbers between 1 to 500.

ANS:

HTML & PHP CODE:

```html
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <h1>To display armstrong numbers between 1 to 500!</h1>

    <form action="Q4.php" method="post">

        Enter start: <input type="text" name="s" ><br>

        <br>

        Enter End: <input type="text" name="E"><br>

        <br>

        <button>click</button>
```

```php
      </form>
  </body>
  </html>
  <?php
      if ($_SERVER["REQUEST_METHOD"]=="POST")
      {
          $start=$_POST["s"] ;
          $end=$_POST["E"];
          for ($i=$start; $i <=$end ; $i++) {
              $sum=0;
              while ((int)$i>0) {
                  $d=$i%10;
                  //echo"$d";
                  $sum=$sum+($d*$d*$d);
                  //echo"$sum";
                  $i=$i/10;
                  //echo"$i";
              }
              if ($i==$sum) {
                  echo"<big><strong>$i</strong></big>"."<br>";
              }
          }
      }
  ?>
```

SET C:

1. Write a PHP script to display a number in words (Use Switch case)

e.g. 345–three four five.

ANS:

HTML & PHP CODE:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <h2>PHP script to convert number into word!</h2>
    <form action="Q1.php" method="post">
        <b>Enter a number:</b><input type="number" name="num"><br>
        <br>
        <button type="submit">click</button>
    </form>
</body>
</html>
<?php
    if ($_SERVER["REQUEST_METHOD"]=="POST") {
        $n=$_POST["num"];
        $rev=0;
        while ((int)$n>0) {
            $d=$n%10;
            $rev=$rev*10+$d;
            $n=$n/10;
        }
        while ((int)$rev>0) {
            $d=$rev%10;
            switch ((int)$d) {
                case '0':
                    echo"\tZERO";
                    break;
```

```
        case '1':
            echo"\tONE";
            break;
        case '2':
            echo"\tTWO";
            break;
        case '3':
            echo"\tTHREE";
            break;
        case '4':
            echo"\tFOUR";
            break;
        case '5':
            echo"\tFIVE";
            break;
        case '6':
            echo"\tSIX";
            break;
        case '7':
            echo"\tSEVEN";
            break;
        case '8':
            echo"\tEIGHT";
            break;
        case '9':
            echo"\tNINE";
            break;
        default:
            echo"wrong input!";
            break;
    }
```

```php
        $rev=(int)$rev/10;

    }

  }
?>
```

----

2. Write a PHP script to change the background color of the browser using a switch

statement according to the day of the week.

ANS:

HTML & PHP CODE:

```html
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <h1>Change browser window color according to day of week!</h1>

    <form action="Q2.php" method="post">

        Enter A day of week: <select name="option">

            <option value="1">Monday</option>

            <option value="2">tuesday</option>

            <option value="3">wednesday</option>

            <option value="4">thursday</option>

            <option value="5">friday</option>

            <option value="6">saturday</option>

            <option value="7">sunday</option>

        </select>

        <br>

        <button>click</button>
```

```php
        </form>
    </body>
</html>
<?php
    if($_SERVER["REQUEST_METHOD"]=="POST"){
        $d=$_POST["option"];
        switch ($d) {
            case '1':
                echo"<body style='background-color:red'>";
                break;
            case '2':
                echo"<body style='background-color:blue'>";
                break;
            case '3':
                echo"<body style='background-color:green'>";
                break;
            case '4':
                echo"<body style='background-color:pink'>";
                break;
            case '5':
                echo"<body style='background-color:orange'>";
                break;
            case '6':
                echo"<body style='background-color:skyblue'>";
                break;
            case '7':
                echo"<body style='background-color:purple'>";
                break;
            default:
                echo"wrong input!";
                break;
```

```
    }
  }
?>
```

----

3. Write a PHP script to count the total number of even and odd numbers between

1 to 1000.

ANS:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <h1>program to count even and odd numbers between given range</h1>
    <form action="Q3.php" method="post">
        <u>Enter start:</u><input type="text" name="start"><br>
        <br>
        <u>Enter End:</u><input type="text" name="End">
        <br>
        <button>click</button>
    </form>
</body>
</html>
<?php
  if ($_SERVER["REQUEST_METHOD"]=="POST") {
      $s=$_POST["start"];
      $e=$_POST["End"];
      $o_count=0;
```

```php
    $e_count=0;
    for ($i=$s; $i <= $e; $i++) {
        if ($i%2==0) {
            $e_count++;
        }
        else {
            $o_count++;
        }
    }
    echo"total even numbers between $s to $e are <strong>$e_count</strong>"."<br>";
    echo"total odd numbers between $s to $e are <strong>$o_count</strong>"."<br>";
  }
?>
```