PRACTICAL FILE: -PHP

RAJDHANI COLLEGE

UNIVERSITY OF DELHI

NAME: - Yugal Batra

ROLL NO. – 8763

UNIVERSITY ROLL NO. – 19055582146

COURSE: - B.Sc. (Prog.) Computer Science

SEMESTER – 6th

YEAR – 3rd

Q1. Write a PHP script to input three numbers and print the largest number.

```
<html>
  <body>
    <h1> GREATEST OF THREE </h1>
    <form method = "post" action = "grtr.php">
    Number 1 :
    <input type = "text" name = "n1" value = "<?php echo $n1; ?>" >
    Number 2 :
    <input type = "text" name = "n2" value = "<?php echo $n2; ?>" >
    Number 3 :
    <input type = "text" name = "n3" value = "<?php echo $n3; ?>" ><br><br>
    <input type = "submit" value = "GREATEST"> <br><br>

    </form>
    <?php
      $n1 = $_POST['n1'];
      $n2 = $_POST['n2'];
      $n3 = $_POST['n3'];

      function gr($n1,$n2,$n3)
      {
        if($n1>$n2 && $n1>$n3)
          return $n1;
        else
          if($n2>$n1 && $n2>$n3)
            return $n2;
          else return $n3;

      }

      echo "Greatest of the three is : ".gr($n1,$n2,$n3);
    ?>
  </body>
</html>
```

Q2. Write a function to calculate the factorial of a number (non-negative integer), which accepts the number as an argument.

```
<html>
  <body>
    <h1> FACTORIAL </h1>
    <form method = "post" action = "fact.php">
    Enter Number :
    <input type = "text" name = "n" value = "<?php echo $n; ?>" >
    <input type = "submit" value = "CALCULATE"> <br><br>
    Factorial :
    </form>
    <?php
      $n = $_POST['n'];
      function fct($n)
      {
        $f=1;
        for($i=1;$i<=$n;$i++){
          $f=$f*$i;}
        return $f;
      }

      echo fct($n);
    ?>
  </body>
</html>
```

Q3. Write a PHP script to check whether the given number is prime or not.

```html
<html>
<body>
  <h1> PRIMALITY CHECKING </h1>
  <form method = "post" action = "primes.php">
  Enter Number :
  <input type = "text" name = "n" value = "<?php echo $n; ?>" >
  <input type = "submit" value = "CHECK"> <br><br>

  </form>
  <?php
    $n = $_POST['n'];
    function pcheck($n)
    {
      $count=0;
      for($i=2;$i<$n;$i++)
      {
        if($n%$i == 0)
            $count++;
      }
      return $count;
    }

    $p=pcheck($n);
    if($p == 0)
      echo "NUMBER IS PRIME";
    else
      echo "NUMBER NOT PRIME";

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

Q4. Write a PHP script to find the sum of first n odd numbers.

```html
<html>
<body>
  <h1> ODD NUMBER SUM </h1>
  <form method = "post" action = "sumOdd.php">
  Enter Number :
  <input type = "text" name = "n" value = "<?php echo $n; ?>" >
  <input type = "submit" value = "SUM"> <br><br>

  </form>
  <?php
    $n = $_POST['n'];
    $sum=0;
    $j=1;
    for($i=1;$i<=$n;$i++)
    {
      $sum=$sum+$j;
      $j+=2;

    }

    echo "Sum of first ".$n." odd numbers : ".$sum;
  ?>
</body>
</html>
```

Q5. Write a PHP script to construct the following pattern, using nested for loop:

```
*

* *

* * *

* * * *

* * * * *
```

```html
<html>
  <body>
    <h1> STAR PATTERN </h1>
    <form method = "post" action = "sptrn.php">
    Enter Number Of Rows :
    <input type = "text" name = "n1" value = "<?php echo $n1; ?>" >
    <br><br>
    <input type = "submit" value = "DRAW"> <br><br>

    </form>
    <?php
      $n1 = $_POST['n1'];

      for($i=1;$i<=$n1;$i++)
      {
        echo "<br>";
        for($j=1;$j<=$i;$j++)
          echo "*";
      }

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

Q6. Write a PHP program to print Fibonacci series using recursion.

```html
<html>
  <body>
    <h1> FIBONACCI SERIES </h1>
    <form method = "post" action = "rfibo.php">
    Enter Number Of Terms :
    <input type = "text" name = "n1" value = "<?php echo $n1; ?>" >
    <br><br>
    <input type = "submit" value = "SERIES"> <br><br>

    </form>
    <?php
      $n1 = $_POST['n1'];
      function rfib($n1)
      {
        if($n1==1)
          return 1;
        if($n1==2)
          return 1;
        return rfib($n1-2) + rfib($n1-1);
      }

      for($i=1;$i<=$n1;$i++)
        echo rfib($i)." ";

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

Q7. Write a script to check if the input string consists of lowercase characters only.

```html
<html>
  <body>
    <h1> PALINDROME CHECKING </h1>
    <form method = "post" action = "lcase.php">
    <input type = "text" name = "str1" value = "<?php echo $str1; ?>" >
    <input type = "submit" value = "CHECK"> <br><br>
    </form>
    <?php
      $str1 = $_POST['str1'];

      $str2 = strtolower($str1);

      echo "<br>"
      if(strcmp($str1,$str2)==0)
         echo "$str1 is in lower case";
      else echo "$str1 is not in lower case";
    ?>
  </body>
</html>
```

Q8.Write a PHP script to check whether a string is palindrome or not? (A palindrome is word, phrase, or sequence that reads the same backward as forward, e.g., madam or nursesrun)

```html
<html>
  <body>
    <h1> PALINDROME CHECKING </h1>
    <form method = "post" action = "palin.php">
    <input type = "text" name = "str1" value = "<?php echo $str1; ?>" >
    <input type = "submit" value = "CHECK"> <br><br>
    </form>
    <?php
      $str1 = $_POST['str1']
      function pcheck($str1)
      {
        $str2 = strrev($str1);
        if(strcmp($str1,$str2)==0)
           return "$str1 is a palindrome";
        else return "$str1 is not a palindrome";
      }

      $p= pcheck($str1);

      echo $p;
    ?>
  </body>
</html>
```

Q9. Write a PHP script to remove whitespaces from a string.
       Sample string : The quick brown fox
       Expected Output : Thequickbrownfox

```
<html>
  <body>
    <h1> REMOVE SPACES </h1>
    <form method = "post" action = "remspace.php">
    Enter String : <br>
    <input type = "text" name = "str1" >
    <input type = "submit" value = "REMOVE SPACES"> <br><br>
    </form>
    <?php
      $str1 = $_POST['str1'];

        echo $str1;
        echo "<br><br>";

        $arr= explode(" ",$str1);
        echo implode("",$arr);

        echo "<br>";


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

Q10. Write a PHP script that checks if a string contains another string.

```
<html>
    <body>
        <h1> SUBSTRING </h1>
        <form method = "post" action = "sub.php">
        Enter the string
            <input type = "text" name = "str1"> <br><br>
        Enter the substring
        <input type = "text" name = "str2"><br><br>
            <input type = "submit" value = "CHECK">
        <br> <br>
        </form>

            <?php
            $str1=$_POST['str1'];
            $str2=$_POST['str2'];
            $p=substr_count($str1,$str2);
                if($p>0)
                    echo "$str1 contains substring $str2";
            else
                echo "$str1 does not contain substring $str2";
            ?>
        </body>
</html>
```

Q11. Write a PHP script to replace the first 'the' of the following string with 'That'.
Sample : 'the quick brown fox jumps over the lazy dog'.
Expected Output : 'That quick brown fox jumps over the lazy dog'.

```html
<html>
  <body>
    <h1> REPLACE </h1>
    <form method = "post" action = "the_replace.php">
     Enter String : <br>
    <input type = "text" name = "str1" >
    <input type = "submit" value = "REPLACE"> <br><br>
    </form>
    <?php
      $str1 = $_POST['str1'];

        $str2 = str_replace("The", "That",$str1,$i);

        echo "<br>";
        echo "$str2";
        echo "<br>";
        echo "$i replacements. ";
        echo "<br><br>";

        $str2 = str_ireplace("The", "That", $str1,$i);
        echo "$str2";
        echo "<br>";
        echo "$i replacements.";
        echo "<br><br>";

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