

# Practical-Work

**Q1. Create a PHP page using functions for comparing three integers and print the largest number.**

```
<?php
function findLargest($num1, $num2, $num3){
    $largest = $num1;
    if ($num2 > $num1){
        if ($num2 > $num3){
            $largest = $num2;
        }
        else{
            $largest = $num3;
        }
    }
    return $largest;
}
if (isset($_POST["Find"])){
    $n1 = $_POST["first"];
    $n2 = $_POST["second"];
    $n3 = $_POST["third"];
    $large = findLargest($n1, $n2, $n3);
}
?>
```

```
<html>
```

```
<head>
```

```

<title>Find largest number</title>
</head>
<body>
  <form action="Q1_largest.php" method="post">
    <table>
      <tr>
        <td>Enter first number:</td>
        <td><input name="first" type="text" value="<?php if (isset($_POST["Find"]))
echo $n1; ?>"></td>
      </tr>
      <tr>
        <td>Enter second number:</td>
        <td><input name="second" type="text" value="<?php if (isset($_POST["Find"]))
echo $n2; ?>"></td>
      </tr>
      <tr>
        <td>Enter third number:</td>
        <td><input name="third" type="text" value="<?php if (isset($_POST["Find"]))
echo $n3; ?>"></td>
      </tr>
      <tr>
        <td><input name="Find" type="submit" value="Find"></td>
        <td><?php if (isset($_POST["Find"])) echo $large." is the largest number";
?></td>
      </tr>
    </table>
  </form>
</body>
</html>

```

**Q2. Write a function to calculate the factorial of a number (non-negative integer). The function accept the number as an argument.**

```
<?php
function factorial($num){
    $a = 1;
    $fact = 1;
    while ($a <= $num){
        $fact *= $a;
        $a++;
    }
    return $fact;
}
if (isset($_POST["find"])){
    $n = $_POST["num"];
    $factorial = factorial($n);
}
?>

<html>
<head>
    <title>Find Factorial</title>
</head>
<body>
    <form action="Q2_factorial.php" method="POST">
        <table>
            <tr>
                <td>Enter the number: </td>
```

```

        <td><input type="text" name="num" value="<?php if (isset($_POST["find"]))
echo $n; ?>"></td>
    </tr>
    <tr>
        <td>Factorial: </td>
        <td><input type="text" name="fact" value="<?php if (isset($_POST["find"])) echo
$factorial; ?>"></td>
    </tr>
    <tr>
        <td><input type="submit" name="find" value="Find"></td>
    </tr>
</table>
</form>
</body>
</html>

```

### **Q3. WAP to check whether the given number is prime or not.**

```

<?php
if (isset($_POST["find"])){
    $num = $_POST["num"];
    $isPrime = 0;
    $i = 2;
    while ($i < $num){
        if ($num % $i == 0){
            $isPrime = 1;
        }
        $i++;
    }
}

```

```

    }
}
?>

<html>
  <head>
    <title>Check Prime</title>
  </head>
  <body>
    <form action="Q3_prime.php" method="POST">
      <table>
        <tr>
          <td>Enter the number: </td>
          <td><input type="text" name="num" value="<?php if (isset($_POST["find"]))
echo $num; ?>"></td>
        </tr>
        <tr>
          <td><input type="submit" name="find" value="Find"></td>
          <td><?php if (isset($_POST["find"])){
            if ($isPrime == 0){
              echo $num." is a Prime number";
            }
            else{
              echo $num." isn't a Prime number";
            }
          } ?></td>
        </tr>
      </table>
    </form>

```

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

**Q4. Create a PHP page which accepts string from user. After submission that page displays the reverse of provided string.**

```
<?php
    if (isset($_POST["find"])){
        $str = $_POST["str"];
        $rev = strrev($str);
    }
?>

<html>
    <head>
        <title>Reverse String</title>
    </head>
    <body>
        <form action="Q4_reverse.php" method="POST">
            <table>
                <tr>
                    <td>Enter a word/sentence: </td>
                    <td><input type="text" name="str" value="<?php if (isset($_POST["find"])) echo $str; ?>"></td>
                </tr>
                <tr>
                    <td>Reversed result: </td>
                    <td><input type="text" value="<?php if (isset($_POST["find"])) echo $rev; ?>"></td>
                </tr>
            </table>
        </form>
    </body>
</html>
```

```
</tr>
<tr>
  <td><input type="submit" name="find" value="Reverse"></td>
</tr>
</table>
</form>
</body>
</html>
```

### **Q5. Write a PHP function that checks if a string is all lower case.**

```
<?php
  if (isset($_POST["find"])){
    $str = $_POST["str"];
  }
?>

<html>
  <head>
    <title>Check Lowercase</title>
  </head>
  <body>
    <form action="Q5_lowercase.php" method="POST">
      <table>
        <tr>
          <td>Enter any word/sentence: </td>
          <td><input type="text" name="str" value="<?php if (isset($_POST["find"])) echo $str; ?>"></td>
        </tr>
```

```

<tr>
  <td><input type="submit" name="find" value="Check"></td>
  <td><?php if (isset($_POST["find"])){
    if (ctype_lower($str)){
      echo "Given string is in lowercase";
    }
    else{
      echo "Given string isn't in lowercase";
    }
  } ?></td>
</tr>
</table>
</form>
</body>
</html>

```

**Q6. Write a PHP script that checks whether a passed string is palindrome or not? (A palindrome is word, phrase, or sequence that reads the same backward as forward, e.g., madam or nurses run).**

```

<?php
if (isset($_POST["find"])){
  $str = $_POST["str"];
  $isPalin = 0;
  for ($i = 0; $i <= strlen($str)/2 ; $i++){
    $first_str = substr($str, $i, 1);
    $sec_str = substr($str, (strlen($str) - $i - 1), 1);
    if ($first_str != $sec_str){
      $isPalin = 1;
    }
  }
}

```

```
    }  
  }  
}  
?>
```

```
<html>  
  <head>  
    <title>Check Paindrome</title>  
  </head>  
  <body>  
    <form action="Q6_palindrome.php" method="POST">  
      <table>  
        <tr>  
          <td>Enter any word/sentence: </td>  
          <td><input type="text" name="str" value="<?php if (isset($_POST["find"])) echo  
$str; ?>"></td>  
        </tr>  
        <tr>  
          <td><input type="submit" name="find" value="Check"></td>  
          <td><?php if (isset($_POST["find"])){  
            if ($isPalin == 0){  
              echo "Given string is a Palindrome";  
            }  
            else{  
              echo "Given string isn't a Palindrome";  
            }  
          } ?></td>  
        </tr>  
      </table>
```

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

## Q7. WAP to sort an array.

```
<?php
if (isset($_POST["sort"])){
    $str = $_POST["arr"];
    $arr = explode(",", $str);

    sort($arr);

    $sorted = implode(",", $arr);
}
?>

<html>
<head>
<title>Sort Array</title>
</head>
<body>
<form action="Q7_sort.php" method="POST">
<table>
<tr>
<td>Enter an array: </td>
<td><input type="text" name="arr" value="<?php if (isset($_POST["sort"])) echo
$str; ?>"></td>
</tr>
```

```

        <tr>
            <td>Sorted array: </td>
            <td><input type="text" value="<?php if (isset($_POST["sort"])) echo $sorted;
?>"></td>
        </tr>
        <tr>
            <td><input type="submit" name="sort" value="Sort"></td>
            <td><b>Note: Separate elements by comma</b></td>
        </tr>
    </table>
</form>
</body>
</html>

```

**Q8. Write a PHP script that removes the whitespaces from a string. Sample string : 'The quick " " brown fox'**

**Expected Output : Thequick""brownfox**

```

<?php
    if (isset($_POST["find"])){
        $str = $_POST["str"];
        $trim_str = trim($str);
    }
?>

<html>
    <head>
        <title>Remove Whitespace</title>
    </head>

```

```

<body>
  <form action="Q8_removespace.php" method="POST">
    <table>
      <tr>
        <td>Enter a sentence: </td>
        <td><input type="text" name="str" value="<?php if (isset($_POST["find"])) echo $str; ?>"></td>
      </tr>
      <tr>
        <td><input type="submit" name="find" value="Remove"></td>
        <td><?php if (isset($_POST["find"])) echo $trim_str; ?></td>
      </tr>
    </table>
  </form>
</body>
</html>

```

**Q9. Write a PHP script that finds out the sum of first n odd numbers.**

```

<?php
  if (isset($_POST["find"])){
    $num = $_POST["limit"];
    $sum = 0;
    $i = 1;
    while ($i <= $num){
      $sum += $i;
      $i += 2;
    }
  }

```

```
    }
}
?>

<html>
  <head>
    <title>Find sum</title>
  </head>
  <body>
    <form action="Q9_sum.php" method="POST">
      <table>
        <tr>
          <td>Enter a limit for sum: </td>
          <td><input type="text" name="limit" value="<?php if (isset($_POST["find"]))
echo $num; ?>"></td>
        </tr>
        <tr>
          <td>Sum of odd numbers: </td>
          <td><input type="text" value="<?php if (isset($_POST["find"])) echo $sum;
?>"></td>
        </tr>
        <tr>
          <td><input type="submit" name="find" value="Find Sum"></td>
        </tr>
      </table>
    </form>
  </body>
</html>
```

**Q10. Create a login page having user name and password. On clicking submit, a welcome message should be displayed if the user is already registered (i.e.name is present in the database) otherwise error message should be displayed.**

```
<?php
    if (isset($_GET['mess'])) {
        $a = $_GET['mess'];
        echo "<script>
            alert('$a');
        </script>";
    }
    if (isset($_GET['message'])) {
        $b = $_GET['message'];
        echo "<script>
            alert('$b');
        </script>";
    }
?>
<html>
    <head>
        <title>Register and Login</title>
        <link rel="stylesheet" href="style.css">
    </head>
    <body>
        <div class="login-page" id="log_page">
            <div class="form">
                <form class="register-form" action="register.php" method="post" id="reg_form">
                    <input type="text" placeholder="user name" name="Uname" required/>
```

```
        <input type="password" placeholder="password" name="pwd" required/>
        <input type="email" placeholder="email id" name="mail" required/>
        <button onclick="reg_func()" name="reg_btn" id="register_btn">Create
Account</button>
        <p class="message">Already Registered? <a
href="javascript:toggle()">Login</a></p>
    </form>

    <form class="login-form" action="login.php" method="post" id="log_form">
        <input type="text" placeholder="username" value="" name="log_uname"
required/>
        <input type="password" placeholder="password" name="log_pwd" required/>
        <button onclick="log_func()" name="login_btn">Login</button>
        <p class="message">Not Registered? <a
href="javascript:toggle()">Register</a></p>
    </form>
</div>
</div>
```

```
<script src='https://code.jquery.com/jquery-3.3.1.min.js'></script>
<script
src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.2/jquery.min.js"></script>
```

```
<script>
function toggle(){
    $('form').animate({height: "toggle", opacity: "toggle"}, "slow");
}

function reg_func(){
    $.ajax({
```

```
        type: 'POST',
        url: 'register.php'
    });
}

function log_func(){
    $.ajax({
        type: 'POST',
        url: 'login.php'
    });
}
</script>
</body>
</html>
```

## **Note :**

To install PHP install AMP (Apache, MySQL, PHP) software stack. It is available for all operating systems. There are many AMP options available in the market that are given below:

- **WAMP** for Windows
- **LAMP** for Linux
- **MAMP** for Mac
- **SAMP** for Solaris
- **FAMP** for FreeBSD
- **XAMPP** (Cross, Apache, MySQL, PHP, Perl) for Cross Platform: It includes some other components too such as FileZilla, OpenSSL, Webalizer, Mercury Mail, etc.

If you are on Windows and don't want Perl and other features of XAMPP, you should go for WAMP. In a similar way, you may use LAMP for Linux and MAMP for Macintosh.