

NAME – ANSH GOEL

REGISTER NO. – 20BCE1798

COURSE NAME – INTERNET AND WEB PROGRAMMING

COURSE CODE – CSE3002

LAB – 9

PHP

NAME: ANSH GOEL

REG NO.: 20BCE1798

1. Write a PHP program to write 100 integers in to a text file. Read 10 numbers at a time from the file using PHP script and find the numbers which occurs odd number of times.

Sample Input : 4, 5, 4, 5, 2, 2, 3, 3, 2, 4

Output : 2, 4 9.

CODE:

```
<?php
$file = fopen("myfile.txt", "w");
ftruncate($file, 0);

for($i=0; $i<100;$i++){
    $n = rand(1,20)."\n";
    fwrite($file, $n);
}
fclose($file);

$file = file('myfile.txt');
$c=0;
$arr = array();
foreach($file as $line) {
    $n = $line;
    if(array_key_exists($n, $arr)){
        $arr[$n]++;
    }
    else{
        $arr[$n] = 1;
    }
    $c++;
    if($c%10 == 0){
        foreach($arr as $a => $b){
            if($b%2!=0)
                echo $a." ";
        }
        echo "<br>";
        unset($arr);
        $arr = array();
    }
}
```

```
}  
}  
>?
```

OUTPUT:

```
4 8 18 2 15 16  
12 9 15 6  
2 3 15 20 6 8  
10 5 11 14 9 3  
9 4 5 10 20 18  
9 1 20 6 13 10  
11 4 3 1 20 10  
19 14 12 5 3 17 1 16  
13 11 19 4 8 17 20 7  
12 1 8 16 11 17 14 15
```

2. Implement simple currency calculator utility-program, which can be used to calculate currency conversions from dollars to euros. Exchange rates can be found for example on <http://www.x-rates.com/d/EUR/table.html>. Implement simple HTML-form where user can input amount of dollars (currency.html) and PHP-script (calculate.php) to calculate currency conversion. PHP-script will read the input values from HTML-form and perform conversion by multiplying dollars with current exchange rate.

CODE:

```
<html>  
<head>  
<style>  
  #box  
  {  
    width:350px;  
    height:290px;  
    margin:0px auto;  
    border:2px solid black;  
  }  
  h2{  
    text-align: center;  
  }  
  table{  
    margin:0px auto;  
  }  
</style>
```

```

</head>

<body>

<form align="center" action="lab-9.2.php" method="post">

<div id="box">
<h2><center>Currency Converter</center></h2>
<table>
  <tr>
    <td>
      Enter Amount:<input type="text" name="amount"><br>
    </td>
  </tr>
  <tr>
    <td>
      <br><center>From:<select name='cur1'>
        <option value="USD" selected>US Dollar(USD)</option>
      </select>
    </td>
  </tr>
  <tr>
    <td>
      <br><center>To:<select name='cur2'>
        <option value="INR" >Indian Rupee(INR)</option>
        <option value="Euro" selected >Euro</option>
      </select>
    </td>
  </tr>
  <tr>
    <td> <br>
    <input type='submit' name='submit' value="Submit"></center>

    <td> <br>
    <input type='reset' name='submit' value="Reset"></center>
  </td>
  </tr>
</table>
</form>
<?php
if(isset($_POST['submit'])){

$amount = $_POST['amount'];
$cur1 = $_POST['cur1'];
$cur2 = $_POST['cur2'];

if($cur1=="USD" AND $cur2=="Euro"){
echo "<center><b>Your Converted Amount is:</b><br></center>";

```

```

echo "<center>" . (int)$amount* 1.02 . "</center>";
}

if($cur1=="USD" AND $cur2=="INR"){
echo "<center><b>Your Converted Amount is:</b><br></center>";
echo "<center>" . (int) $amount* 81.51. "</center>";
}

}

?>

</body>
</html>

```

OUTPUT:

Currency Converter

Enter Amount:

From:

To:

Currency Converter

Enter Amount:

From:

To:

Your Converted Amount is:
20.4

3. Implement simple application that can be used to send emails. Use email-function.

CODE:

```
<html>

<head>
  <title>Sending HTML email using PHP</title>
</head>

<body>

<?php
  $to = "xyz@somedomain.com";
  $subject = "This is subject";

  $message = "<b>This is HTML message.</b>";
  $message .= "<h1>This is headline.</h1>";

  $header = "From:abc@somedomain.com \r\n";
  $header .= "Cc:afgh@somedomain.com \r\n";
  $header .= "MIME-Version: 1.0\r\n";
  $header .= "Content-type: text/html\r\n";

  $retval = mail ($to,$subject,$message,$header);

  if( $retval == true ) {
    echo "Message sent successfully...";
  }else {
    echo "Message could not be sent...";
  }
?>
```

</body>
</html>

OUTPUT:

Receiver Email:

AnshGoel@gmail.com

Subject:

ABC@gmail.com

Message:

I am 17 years old !!

Send

4. Implement application, which can be used to calculate housing allowance for student. Housing allowance is 80% of reasonable housing cost. Reasonable housing cost is between 33.64 ₹ 252 ₹. if cost is under 33.64 ₹ no allowance is paid. If cost is over 252 ₹, maximum allowance 201.60 ₹ is paid. If cost is between 33.64 ₹ and 252 ₹, allowance is 80%.

CODE:

```
<?php
$хam = $cost = "";
if($_SERVER['REQUEST_METHOD']=="POST"){
    if(isset($_POST['check']) && !empty(trim($_POST['cost'])) && is_numeric(trim($_POST['cost']))) {
        $cost = trim($_POST['cost']);
        if($cost<33.64)
            $хam = 0;
        else if($cost<252)
            $хam = 0.8*$cost;
        else
            $хam = 201.60;
    }
}
?>
```

```

<!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>q3</title>
</head>
<body>
  <h2>Housing Allowance Calculator</h2>
  <form action="" method="post">
    <label for="cost">Housing Cost: </label>
    <input type="text" name="cost" value="<?php echo $cost?>">
    <button type="submit" name="check">Check</button>
    <br><br>
    <label for="allowance">Allowance: </label>
    <input readonly type="text" value="<?php echo $xam?>">
  </form>
</body>
</html>

```

OUTPUT:

Housing Allowance Calculator

Housing Cost:

Allowance:

- Implement PHP-script (no html is needed) to print out multiplication table of number 10 (see picture below). User for-structure and table html-element.

CODE:

```

<?php
echo "Multiplication Table of 10";
echo "\n";
$num=10;
echo "<table border =\"1\" style='border-collapse: collapse'>";
for($i=1;$i<11;$i++){
echo "<tr> \n";
$ans=$num*$i;
echo "<td> $num * $i = $ans </td>";
echo "</tr>";
}
echo "</table>";

```

```
?>
```

OUTPUT:

Multiplication Table of 10

10 * 1 = 10
10 * 2 = 20
10 * 3 = 30
10 * 4 = 40
10 * 5 = 50
10 * 6 = 60
10 * 7 = 70
10 * 8 = 80
10 * 9 = 90
10 * 10 = 100

6. Implement PHP-script to print out times from 8 to 16 to HTML-table.

CODE:

```
<?php
$num=10;
echo "<table border =\"1\" style='border-collapse: collapse'>";
for($i=8;$i<17;$i++){
echo "<tr> \n";
$ans=number_format($i, 2);
echo "<td> $ans </td>";
echo "</tr>";
}
echo "</table>";
?>
```

OUTPUT:

8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00

7. Modify previous exercise so that also day of weeks are printed to page necessary amounts of columns are printed out to each row. Use conditional and loop -structures to implement exercise.

CODE:

```
<?php
$num=10;
echo "<table border =\"1\" style='border-collapse: collapse'>";
echo "<tr>";
echo "<td></td>";
echo "<td>Monday</td>";
echo "<td>Tuesday</td>";
echo "<td>Wednesday</td>";
echo "<td>Thursday</td>";
echo "<td>Friday</td>";
for($i=8;$i<17;$i++){
echo "<tr> \n";
$ans=number_format($i, 2);
echo "<td> $ans </td>";
for($j=0;$j<5;$j++){
    echo"<td></td>";
}
echo "</tr>";
}
echo "</table>";
?>
```

OUTPUT:

	Monday	Tuesday	Wednesday	Thursday	Friday
8.00					
9.00					
10.00					
11.00					
12.00					
13.00					
14.00					
15.00					
16.00					