

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:

The screenshot shows a "Currency Converter" application interface. At the top, it says "Currency Converter". Below that, there is a text input field labeled "Enter Amount:" followed by a dropdown menu. The dropdown menu has "From:" set to "US Dollar(USD)" and "To:" set to "Euro". There are two buttons at the bottom: "Submit" on the left and "Reset" on the right.

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
$xam = $cost = "";
if($_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)
            $xam = 0;
        else if($cost<252)
            $xam = 0.8*$cost;
        else
            $xam = 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:

5. 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					