

TP1

To avoid confusion between your work and others on the same machine, create a directory whose name is your full name and student number. Place the directory in www.

Question 1. Sum of numbers

Write a PHP code that calculates and displays the sum of the first 10 odd natural numbers.

Question 2. Multiplication table

Write a PHP code that calculates and displays the multiplication table in the following form:

1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100

Question 3. Currency conversion

Write a PHP code that converts between the dollar and the Lebanese Livre. You must have 3 different versions.

- 1- The PHP code is on a different page than the HTML one. It is necessary to test in what direction the conversion is before executing it.
- 2- The PHP code and the HTML code in the same page. Display a message at the end of the page that contains the converted amount and the result.
- 3- The PHP code and the HTML code in the same page. Display the result in the form in the appropriate place.

The HTML code:

```
<form method="post" action="converter.php">
    Dollar : <input type="text" name="dollar">
    <input type="submit" name="submit" value="To Livre"><br>
    Livre : <input type="text" name="livre">
    <input type="submit" name="submit" value="To Dollar">
</form>
```

Question 4. Guess Number

Write PHP code that asks the user to guess a random number generated by the machine. The generation of the random number is done using the function `mt_rand` (min, max). The number must be generated once during the game. Then, the user must try to find the same number, if its number is greater than that of the machine, the program displays "Your number is greater than mine! Please try again", if it's the opposite we'll show "Your number is smaller than mine! Please try again", and if it is equal we will display "Your WIN!" . You have to use the "Hidden" element, to transport the generated number from one page to another (which must be the same page in our case).

guessNumber.php:

```
<?php
    ...
?>
<html>
    <head> Page 2/2
        <title>Guess Number</title>
    </head>
    <body>
        <h1>Guess the number between 1 and 100 ?</h1>
        <form method="post" action="guessNumber.php">
            <input type="text" name="usernum">
            <input type="submit" name="guess" value="Guess">
            <input type="hidden" name="randnum" value="<?php ... ?>">
        </form>
        <h2><?php ... ?></h2>
    </body>
</html>
```

Complete the code.