

Lab 1

To avoid confusion between your assignments and others on the same machine, create a directory named after your full name and student ID. Place the directory in www.

Problem I Sum of numbers

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

Problem II 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

Problem III Currency conversion

Write a PHP code that converts between dollars and Lebanese pounds. You should have 3 different versions.

- 1- The PHP code is on a different page than the HTML one. You need to test which way the conversion is before running it.
- 2- PHP code and HTML code in the same page. Display a message at the end of the page that contains the converted amount and the result.
- 3- PHP code and HTML code in the same page. Display the result in the form at 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 Book">< br >
Book: <input type="text" name="book">
<input type="submit" name="submit" value="To Dollar">
</form>
```

Problem IV Guess Number

Write a PHP code that asks the user to guess a machine-generated random number.

The random number generation is done using the `mt_rand (min,max)` function. The number must be generated only once during the game. Then, the user must try to find the same number, if his number is higher than that of the machine, we display " Your number is greater than mine! Please try again", if It is the reverse displays "Your number is smaller than mine!" Please try again", and otherwise we display "Your WIN! ".

We need to use the hidden element of type Hidden , to transport the machine generated number from one page to another (which must be the same page in our case). `guessNumber.php` :

```
<?php
    ...
?>

<html>
    <head>
        <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.