

**IN-CLASS EXERCISES**

420-DW3-AS Web Server Application Development I

**CLASS 6**

Indications

1. Submit the code of your program (.php files).
2. Submit this form with corresponding screenshots (more than one when applicable) below each exercise that prove you created the appropriate program and it works.

**Exercise 1 –**

A primary school teacher asks you to create a program that can be used to enter a number in order to display its 10 first multiplication table. Use a form to read the numbers and use a loop to calculate and display the multiplication table.

Notice – Test the same exercise using all the loops available.

**Exercise 2 –**

Create a program that includes a form that allows users to write and submit a text in order to display each letter of this word on a new line in uppercase, as HTML list items (<li> </li>) of an unordered list element (<ul> </ul>).

To achieve this task, place an appropriate loop inside the unordered list element that displays one by one each list item that is one of the letters included in the text submitted via the form.

In addition, use the built-in function strlen($str) to calculate the number of characters in a string and strtoupper($str) to uppercases the characters of a string.

**Exercise 3 –**

Modify exercise 3 to make the program able to consider only alphanumeric characters including the letters of alphabet from a to z or A to Z and numbers from 0 to 9. Additionally, make it able to consider the same character only once.

To achieve this task, use the built-in function count\_chars($str, 3) that returns a string containing only unique characters.