COEN 10
Lab 4

Lab 4 – Lottery Game

❖ You will create a web lottery game

❖ How it works

- ◆ The user enters 5 numbers between 1 and 20.

- ◆ You generate 5 random numbers between 1 and 20.

- ◆ You check if the numbers match and tell the user how many he/she got correct.

- ◆ You give the user the option of trying again.

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❖ You will use php

◆ Main page

- User enters 5 numbers and submit
- The numbers are passed to the second page

◆ Second page

- Receive the numbers from the first page into an array
- Generate 5 <u>different</u> random numbers between 1 and 20 into an array (use a loop!)
- Check each of the random numbers against each of the entered numbers and calculates the number of matches (use a nested loop!)
- Show the numbers submitted, the numbers generated, and the number of matches (use loops!)

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❖ Requirements

◆ Use <u>arrays</u> for the numbers generated and received

- Use <u>loops</u> for generating, checking, outputting

◆ Have a <u>comment</u> line describing each loop

◆ <u>Indent and align</u> your code properly

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❖ Before the lab

◆ Draw a <u>flowchart</u>

- showing the algorithm to search for the numbers entered by the user (in an array), are inside the array generated by you with random numbers.

- No need to detail the before and after the search

◆ Deliver the flowchart to the TA at the beginning of the lab

- Don't forget to add your name

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❖ **When you are done**
- ◆ Demo
  - Play the game on the browser to the TA
- ◆ Submit
  - Print and submit the source code of the pages to the TA
  - Don't forget to put the right info at the top!