



# Intro to Programming

## COEN 10

### Lab 4

### Lottery Game



# Lottery Game

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- 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.



# Lab 4 – Lottery Game

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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 **different** 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!)



# Lab 4 – Lottery Game

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- Requirements
  - Use **arrays** for the numbers generated and received
    - Use **loops** for generating, checking, outputting
  - Have a **comment** line describing each loop
  - **Indent and align** your code properly



# Lab 4 – Lottery Game

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- Before the lab
  - Draw a **flowchart**
    - 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



# Lab 4 – Lottery Game

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