# C Language Programming: Homework #3
## Assigned on 10/08/2019(Tuesday), Due on 10/15/2019(Tuesday)

This program allows you to play a game called ***master mind***.
You have to do the following:

1. Define (input)
    (a) the number of integers (***N***) to play with. For example, N = 5 means you like to play with 5 numbers which is 1 to 5,
    (b) the number of positions (***P***). For example, P = 4 means you have 4 positions to put 4 integers, such as (1 2 3 4) that users like to guess.
    (c) both **N** and **P** are input from command argument list.
2. (10%)Generate a senquence of P numbers as the hidden number sequence which cannot be seen by the player.(use random function to generate your senquence)
3. (50%)Let user input his guesses. Your program process the input guesses one by one behind the screen by the following rules: If both the position and number are the same as a hidden number, the program prompts an H and if only the number is the same as a hidden number, it prompts an X. For example,
    1 2 3 4 (hidden from player)
    1 3 3 1 (player's guess) → 2 H and 2 X
    1 3 5 1 (player's guess) → 1 H and 2 X

4. (40%)Write loop let user input his guesses until his guesses are correct.

5. updata your report to server, otherwise you will get -10 point.

6.If you will not submit your report , you get 0 point.


Note: https://www.geeksforgeeks.org/clear-console-c-language/

Command Line(You must use Parameter argc and argv)
./hw3 N P(Please Follow this Sequence，otherwise you will get -20 point)

Example
>./hw3 5 4
Guess: 1 3 3 1
2H2X
Guess: 1 3 5 1
1H2X
Guess: 1 2 3 4
Correct