

C Language Programming: Homework #3
Assigned on 10/27/2015(Tuesday), Due on 11/03/2015(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 from command argument list.**
2. Write a **loop** to let user input his guesses. If both the positions and number are correct, the program prompts an H and if only the number is correct, it prompts an X. For example,
1 2 3 4
1 3 5 1 \rightarrow 1 H and 1 X
3. User input his guesses until his guesses are correct and the program terminates.

Score:

Argument list	20%
Random	20%
3 functions	20%
Result correctness	20%
Report	20%

※ 答案所產生的數字不要重複

Ex : $N = 6, P = 3$: 答案可以是 213 , 624 ... , 但不要產生 222 , 323...

※ 當輸入值 $P > N$ 時，請直接結束程式

※ 答案必須要隨機產生

※ 必須要寫3個function

※ The number in answer string shouldn't be repeated

Ex : $N = 6, P = 3$: The answer could be 213 , 624... , but not 222 , 323...

※ If input value $P > N$, please end your program directly.

※ The answer must be randomly generated

※ You have to write 3 functions