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 sequence of P numbers as the hidden number sequence which cannot be seen by the player. (use random function to generate your sequence)

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. Update 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/](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