1. Write code to create a checkerboard patterns. 8 spots by 8 spots, with the symbols "+" and "-" standing in for the colors without hard coding the pattern i.e. not System.out.println(“+-+-+-+-+-”);.

The output would look something like this:

+ - + - + - + -

- + - + - + - +

Etc…

Hint – You need nested loops, one for rows, one for columns and a way to determine color of each “square”. There are many ways you could do this. Easiest is probably:

Create a number that you are incrementing in the outer loop, and another in the inner loop. Check if current row number and column number are both even or both odd then make square “+”. If one of them is odd and one is even, make square “-”.

1. Modify the code from 1 to store the board in a two dimensional array of chars instead of simply printing the pattern. Print the array out after populating it.

Use either a rectangular or jagged array (don’t worry if you can’t figure it out, we didn’t cover it well)

1. Write a method to remove the duplicate elements of a passed in nullable int array (int? [] numbers) (sets it to null) and return the amount of non-duplicating data.
   1. Sample array: [20, 20, 30, 40, 50, 50, 50]. After removing the duplicate elements the program should return 4 as the new required length of the array and change the array to : [20, null, 30, 40, 50, null, null].
   2. Then the calling method should create a new array that fits the new non-duplicating data and fill the new array with the non-duplicating data