CS2401 Lab 1 – Latin Square

Released on: Wednesday June, 12   **Due on: Wednesday June 19 @ 11:59pm**
How: Follow our TA instructions
What: a java file containing your solution

In this lab, you will learn about multidimensional arrays, their operations and basic manipulation.

Problem: A Latin square is an n-by-n array filled with n different Latin letters, each occurring exactly once in each row and once in each column. Write a java program that prompts the user enter the positive integer n and either the array of characters or a file containing it and checks if the input array is a Latin square.

1/ Describe how **you want to solve** this problem: write this description as a comment at the top of your java file. The description should be free of typos and grammatically correct.

2/ Put together a **Java code** that addresses the above problem. Properly comment your code to explain what it does and why the whole piece of code is an actual solution to the above problem.

What do you have to turn in? Your java file that is as follows:

1/ A zip file named **YourLastNameYourFirstName-Lab1.zip** that contains your java file solution.

2/ The header of your java file is a comment containing the **clear description** of what you are trying to achieve.

3/ The body of **your code** (the java program) is **commented** so that each instruction is very clear.

Criteria for grading:

0/ [5 pts] Your lab is submitted according to specifications (proper file name, proper format)
1/ [15 pts] Description of what you want to accomplish (clear and grammatically correct)
2/ [70 pts] Code of your target solution or functionality
3/ [10 pts] Comments of your code (relevant and clear)