

CSCI-101 Programming 1

Lab 15

You know the drill. Write a program in a class named Lab15 that does the following:

- i. Declare an instance of the Scanner class that can read from the keyboard.
- ii. Declare an array named **arr** that can hold 100,000 integers.
- iii. Ask the user to enter 100,000 integers then read and store the values in **arr**.
- iv. Add **1** to each integer in the array.
- v. Print the elements of the array to the screen on a single line, with spaces between the elements.
- vi. Print to the screen “**All values in arr are odd**” if all the values in **arr** are odd; otherwise print to the screen “**At least one value in arr is even**”.
- vii. Declare a 3x5 array of integers named **matrix**.
- viii. Ask the user to enter 15 integers then read and store the values in **matrix**.
- ix. Add **2** to each integer in **matrix**.
- x. Print the elements **matrix** to the screen with each row of the 2D array on a separate line, and spaces between the integers.
- xi. Print to the screen “**All values in matrix are odd**” if all the values in **matrix** are odd; otherwise print to the screen “**At least one value in matrix is even**”.