

Program 2 Multidimensional Arrays

IMPORTANT

Before you start working on this Lab:

1. If you are not familiar with using **Visual Studio Code (VSC)**, please **read (and practice using) the file of Lab01 assigned in IT 168**. You will find it attached to this assignment.
2. Please **watch the assigned video** about Multidimensional Arrays (the entire list of videos that we will use in IT 179 is given on ReggieNet->Overview).

Write a Java program **TwoDArray.java** that:

- Creates a 2D array M of `nbRows` x `nbCols` of **random** integers between 0 and 9 where `nbRows` and `nbCols` are two constant set to 5.
- Print out the array M (with `\t` between elements), the sum of each row, the sum of each column, and the sum of all elements of the array as shown in Figure 1.

3	2	7	7	2		21
6	3	1	1	2		13
2	3	6	1	4		16
9	6	1	3	6		25
1	7	8	7	2		17

21	21	15	19	16		85

Figure 1. Expected Output

Submission:

Please submit ONLY the file **TwoDArray.java**.

Note: There is a **mistake in this document. If you find it, you will get **3 extra credit points**.**