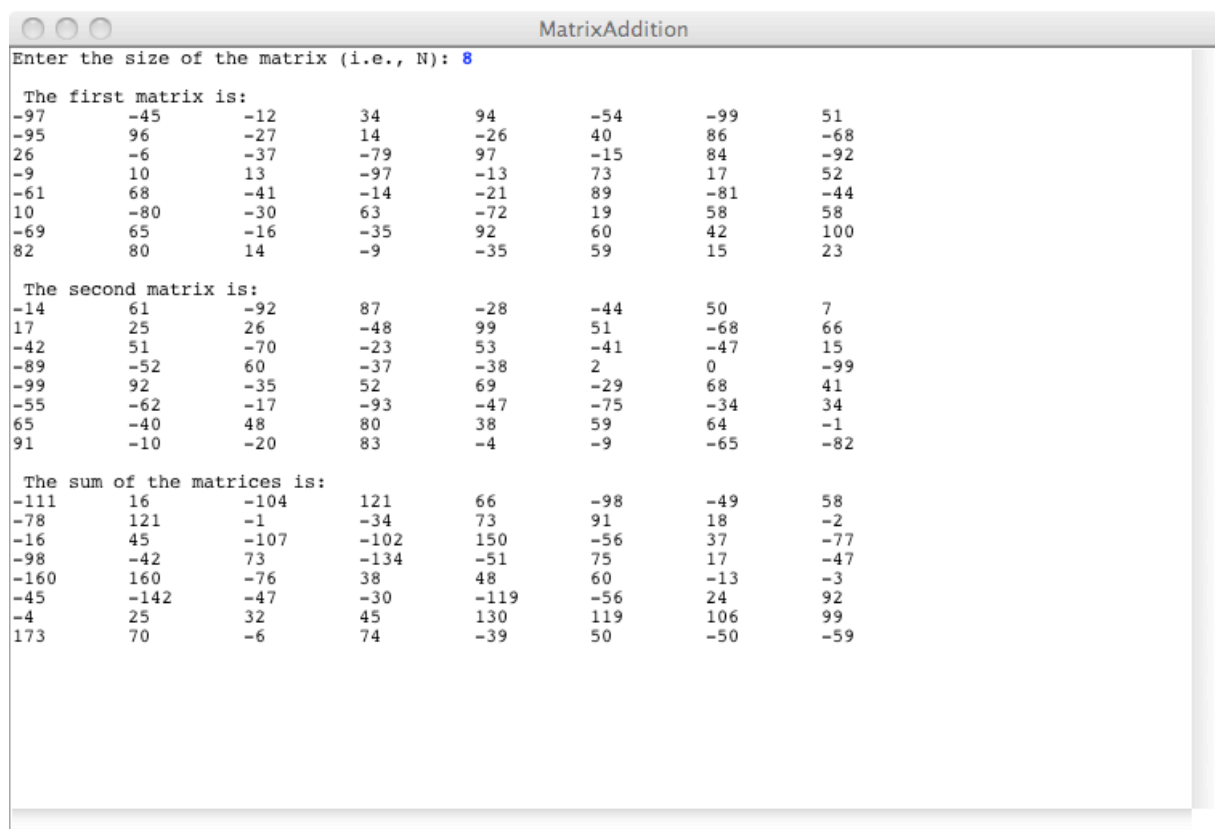# COMP 130 ‑ Introduction to Programming with Java
Final Exam, Spring 2012

Class: **MatrixAddition.java**

Write a program that creates two matrices of size *N*×*N* with random integer entries between -100 and 100. The program first displays the two matrices and then their sum. The size *N* is to be provided by the user.

Sample Run:

```
○ ○ ○                          MatrixAddition
Enter the size of the matrix (i.e., N): 8

 The first matrix is:
-97       -45       -12       34        94        -54       -99       51
-95       96        -27       14        -26       40        86        -68
26        -6        -37       -79       97        -15       84        -92
-9        10        13        -97       -13       73        17        52
-61       68        -41       -14       -21       89        -81       -44
10        -80       -30       63        -72       19        58        58
-69       65        -16       -35       92        60        42        100
82        80        14        -9        -35       59        15        23

 The second matrix is:
-14       61        -92       87        -28       -44       50        7
17        25        26        -48       99        51        -68       66
-42       51        -70       -23       53        -41       -47       15
-89       -52       60        -37       -38       2         0         -99
-99       92        -35       52        69        -29       68        41
-55       -62       -17       -93       -47       -75       -34       34
65        -40       48        80        38        59        64        -1
91        -10       -20       83        -4        -9        -65       -82

 The sum of the matrices is:
-111      16        -104      121       66        -98       -49       58
-78       121       -1        -34       73        91        18        -2
-16       45        -107      -102      150       -56       37        -77
-98       -42       73        -134      -51       75        17        -47
-160      160       -76       38        48        60        -13       -3
-45       -142      -47       -30       -119      -56       24        92
-4        25        32        45        130       119       106       99
173       70        -6        74        -39       50        -50       -59
```