# Exam preparation



**Maastricht University** 

## Please fill the survey!

- Before we go on, please click on the following link and fill the survey:
- https://maastrichtuniversity.eu.qualtrics.com/jfe/form/SV\_0fg8Z9Pat9emPxY



## Programming exercises update

This year we will ask you to explain the strategy to solve the exercise:

Write IN YOUR OWN WORDS, how you would solve the problem. Do not use pseudocode but a high-level explanation of how you plan to solve the problem.

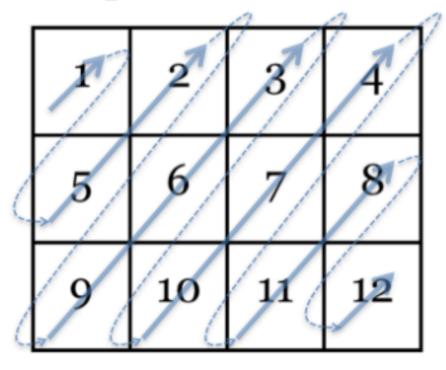
IMPORTANT: This part is only evaluated if you also provide a "good" attempt to implement it in the next question (coding part).



### Exercise 1

#### Question 8. (12 points) Printing out a Matrix diagonally

Write a method diagonalPrint that prints a two-dimensional integer array diagonally. For example, the matrix shown below should be printed out as shown:



#### Required printout:

Your method should work for any rectangular (i.e. all rows are of equal length, all columns are of equal length) two-dimensional integer matrix.

public static void diagonalPrint (int[][] M) {



### Exercise 2

Question 9. (12 points) Write a method digitTransformer that takes in a two-dimensional long array A as a parameter and prints to the screen an identically sized array where every element represents the number of digits that form the corresponding element in A.

Example: If A represents the matrix:

3	-101	94	12	3
777	72	54	33040	4
-444	8898	32	9948	233230021

digitTransformer(A) should print

public static void digitTransformer (long[][] A) {



## Any exam exercise you want to review?

