

DATA STRUCTURE-EXERCISE**-May 20, 2022****Question1:**

Let's consider a grid of deliberation points of a session of seven courses (c1, c2, c3, c4, c5, c6, c7) of examination of a class of seven (7) students. (Matrix $M_{n \times n}$ (or $n=7$))

	C1	C2	C3	C4	C5	C6	C7
1. kayoya	14	12	11	9	18	13	12
2. CIZA	13	15	10	16	11	11	13
3.KEZA	12	17	13	14	14	14	111
4. KARIRE	15	8	19	11	10	7	13
5. MATWI	18	12	17	16	13	19	10
6. BUNAME	15	6	12	14	9	10	10
7. MUTWA	10	15	15	20	14	10	12

- Write an Algorithm in pseudocode form that determines the highest grade achieved by each student in this class.
- The secretariat of the jury made a mistake in entering the points in the points grid. The points for the C1 course are those for the C7 course. The points for course C7 are those for course C1. Develop an algorithm in pseudocode form that corrects this error in the entry of points in the points grid for the question.
- Develop an algorithm in pseudocode that determines the product of the values of the elements on the anti-diagonal of the $M_{7 \times 7}$ matrix.