Computer Graphics, Weekly Practice 02

Handed out: March 25, 2020

Due: 23:59, April 30, 2020 **(NO SCORE for late submissions!)**

Submit your assignment only through Computer Graphics course page on Blackboard.

1. Write down a Python program to:
   A. Create a 1d array M with values ranging from 2 to 26 and print M.
   B. Reshape M as a 5x5 matrix and print M.
   C. Set the first column of the matrix M to 0 and print M.
   D. Assign M^2 to the M and print M.
   E. Now, let's consider the first row of matrix M as vector v. Calculate the magnitude of the vector v and print it.
      i. Hint: $\|\mathbf{x}\| = \sqrt{(x_1^2 + x_2^2 + \cdots + x_n^2)}$
      ii. Hint: Use np.sqrt()
   F. Submit a single .py file - **CG_weekly_practice_02_studentID.**py (e.g. **CG_weekly_practice_02_2020123456**.py)