In MATLAB using only **one** command try to create the following matrices ?

Note. Please do not use the traditional way or method such as (i.e. A = [1 2 3 4 5; ……])

For **help** you can use the following commands :

$x_i : st : x_f$; linspace(x_i , x_f , N) ; ones(r , c) ; zeros(r , c) ; eye(r , c) and diag( )

$$C = \begin{bmatrix} 1 & 0 & 0 & 0 & 0 \\ 0 & 2 & 0 & 0 & 0 \\ 0 & 0 & 3 & 0 & 0 \\ 0 & 0 & 0 & 4 & 0 \\ 0 & 0 & 0 & 0 & 5 \end{bmatrix}; \qquad (1)$$

$$D = \begin{bmatrix} 0 & 0 & 0 & 0 & 0 \\ 0 & -1,5 & 0 & 0 & 0 \\ 0 & 0 & -3 & 0 & 0 \\ 0 & 0 & 0 & -4,5 & 0 \\ 0 & 0 & 0 & 0 & -6 \end{bmatrix}; \qquad (2)$$

$$E = \begin{bmatrix} 88 & 0 & 0 & 88 \\ 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \\ 88 & 0 & 0 & 88 \end{bmatrix}; \qquad (3)$$

$$F = \begin{bmatrix} 51 & 0 & 0 & 0 & 0 & 0 \\ 0 & 41 & 0 & 0 & 0 & 0 \\ 0 & 0 & 31 & 0 & 0 & 0 \\ 0 & 0 & 0 & 21 & 0 & 0 \\ 0 & 0 & 0 & 0 & 11 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 \end{bmatrix}; \quad (4)$$

$$H = \begin{bmatrix} 0 & 0 & 0 & 0 \\ 0 & 77 & 77 & 0 \\ 0 & 77 & 77 & 0 \\ 0 & 0 & 0 & 0 \end{bmatrix}; \quad (5)$$

$$I = \begin{bmatrix} 0 & 66 & 66 & 0 \\ 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \\ 0 & 66 & 66 & 0 \end{bmatrix}; \quad (6)$$

$$M = \begin{bmatrix} 1 & 0 & 0 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 & 0 & 1 \end{bmatrix} \quad (7)$$