Introduction to Matlab

1. Find the second largest number and its index in an array.

2. Create a 5×5 matrix whose every element is the sum of its row and column number.

3. Take input *lena.png*, display its red, green component and blue component separately; Binarize these component using threshold 0.3,0.2,0.4 respectively.

4. Plot the value of *sin*x at an interval of every $\pi/12$ within a range of x as $[0 : 2\pi]$. In the same graph, plot *cos*x with same specification. Add legend to both the plots. Add x-label as x, y-label as 'function of x' in the graph. Save the graph in .fig format.

ΨΨΨΨΨΨΨΨΨΨΨΨΨΨΨΨΨΨΨΨ