* Numerical Modelling Lab
[MI 59001]   16/011/2020
[END SEM]

Bhinde Dhaval Dhanraj
[16MI31022]

Algorithm

Step1:   start

step2:   Taken the input for my Roll number in
         variable x, y and Esize.

step3:   calculated and printed number of nodes
         as follows:

$$\text{Number of Nodes} = \left(1 + \frac{x}{Esize}\right)\left(1 + \frac{y}{Esize}\right)$$

step4:   calculated and printed information about
         the nodes using two nested loops
         for i and for j with printing
         each node Esize * i and Esize * j

step5.   calculated and printed number of element
         as follows:

$$\text{Number of element} = \left(\frac{x}{size}\right)\left(\frac{y}{size}\right)$$

step6:   calculated and printed information about
         number of element as by running two
         nested loop

step7:   END