Lab Objectives:
To row reduce any matrix.

Description of Lab:
You will be reducing any size matrix to echelon form (or reduced echelon form).

Requirements:
1. Ask for the matrix dimensions, rows and columns, and allocate space
2. Ask for the matrix elements (or values $a_{ij}$)
3. Perform a series of row reductions, so the final result is in reduced echelon form.
4. Output the matrix in a readable format, which means the numbers should be aligned as they are in the matrix itself, and rounded to two decimal places.

What to Turn In:
1. A printout of your original code
2. A printout of the results for the following sample data inputs:
   \[
   A = \begin{bmatrix}
   0 & 0 & 3 \\
   0 & 1 & 7 \\
   0 & 3 & 6 \\
   \end{bmatrix}
   \]
   \[
   B = \begin{bmatrix}
   1 & 0 & 0 \\
   0 & 1 & 0 \\
   0 & 0 & 1 \\
   \end{bmatrix}
   \]
   \[
   C = [1]
   \]
3. Please be sure to label your pages at the top (i.e. “Original Code page 1 of 2” and “Run ‘a’ page 1 of 1”, etc)
4. Include a cover sheet, with “Programming Assignment 2”, your name, and date