1. A = [1:5; 6:10; 11:15; 16:20] is a matrix. Write code to, assign second column of A to variable **c2** and third row of A to the variable **r3**. Write code to change each element of the last row of A to zero and each element of one before last column of A to minus one. (Do not use loops)

2. Plot a sine wave and a cosine wave over one period. Make a time vector t from **0 to 2 π** with enough samples to get smooth lines. Plot sin (t) using a **red solid** line and plot cos (t) using **green dotted** line. (Read documentation for exact parameter values)

    a. Label the x axis using 'X-axis'

    b. Label the y-axis using 'Y-axis'

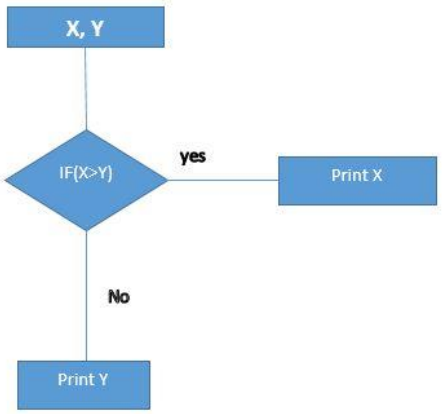
    c. Give the figure a suitable title

    d. Enable the grid

    e. Create a legend to describe the two lines you have plotted by using legend and passing to it to the two strings 'Sin' and 'Cos'

3. Write a code for the following flow chats using octave.

    (i)



    (ii)