Homework # 2.

Send solution by email to Pauline <p.balogun@uleth.ca> by Monday 3pm. Solutions should be in the form of Matlab code.

Note: It is possible to accomplish each of the tasks in multiple ways. Try to find solutions which have the most compact form. Be careful: some tasks could be 'tricky' and impossible to accomplish. In such case explain why this is not a valid task.

1. Answer questions 2-9 in a single .m file that can be run as a script. Please add your name at the end of file name to avoid accidental mistakes with assigning grades to incorrect person.

2. Create array Arr with 5 rows and 4 columns with each element = 5

3. Change all elements in 2nd column to 3

4. Change consecutive elements in 4th column to 4, 8, 12, 16 and 20

5. Find indices of elements in Arr bigger than 5

6. Plot 5 periods of cosine

7. Check Matlab help for 'text' command and use it to display 'it is cosine' in middle of figure and in blue font of size 11.

8. Plot histogram of the cosine you plotted

9. Plot histogram of Arr

10. Write loop to find elements in Arr bigger than 5 .

Good luck,

Artur