

Homework # 1.

Send solution by email to Milad (milad.naghizadeh@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. Clear workspace
2. Create vector with 15 random numbers
3. Create vector with 15 increasing numbers spaced by 4 (e.g.: 3, 7, 11 ...)
4. Assign to variable 'Arr' an array of random numbers with 4 columns and 2 rows.
5. In Arr increase by 5 the element in 3th column and 2nd row.
6. Create variable Arr2 identical to transposed Arr.
7. Add Arr to Arr2
8. Add Arr to transposed Arr2
9. Create variable Arr3 with the same size as Arr and with all elements equal to 3.
10. Multiply element-by-element Arr and Arr3.

Good luck,

Artur