(updated:May 16, 2019) We work on Matrix and Array operations for this lab.

- 1. For matrix operations, the operators +, -, *, and are interpreted in matrix sense.
 - Type in $A=[1\ 2\ 3;4\ 5\ 6;\ 7\ 8\ 9]$, and I=eye(3), see what you get with A-3*I
 - Compute A^2 with Asq = A^2
 - Let b = [0;1;-1] and B=[0;1;-1;0]. Type in Ab = A * b, and AB = A * B respectively. Copy and paste what you get.
 - This problem studies two types of transpose of matrices. Let c = [1 i 3*i-2], type in ct = transpose(c) and cp = c'. Compare the results, copy and paste them here.
 - Make two random square matrices D, E of the same dimension, then compute diff = D*E'-(E*D')'. List the matrix computation rule that is justified by your code.
 - The backslash \setminus , is used to solve linear systems of equations. Type in $x = A \setminus b$, copy and paste your results here. Then type in res = b-A*x, copy and paste your result.
- 2. In this problem, we study array operations. pg 20, Section 2.4.
 - Compute a Bessel function of the second kind
 - Test the primality of 482023487
 - Plot a vector field (Note: do not copy and paste examples you find online, but make your own based on the examples.)
 - Report current date and time
- 3. We have made a lot of variables for this assignement. Type in who and paste what you see here.