Homework – Lesson 1

Open the editor and write a script that does the following:

1. Create the following matrix B without typing the values manually: (2 pt.)

B=

1	9	17
2	10	18
3	11	19
4	12	20
5	13	21
6	14	22
7	15	23
8	16	24

Use the matrix B to: (4 pt.)

(a) Create a sixteen-element column vector named V_a that contains the elements of the second and third columns of B.

(b) Create a seven-element column vector named V_b that contains elements 2 through 5 of the third column of B and the elements of the last row of B.

(c) Create a nine-element column vector named V_c that contains the elements of the second, fourth, and sixth rows of B.

2. Using the zeros, ones, and eye commands create the following arrays: (4 pt.)

M_a=

0	0	1
0	0	1

M_b=

1	1	1
1	0	0
0	1	0
0	0	1

M_c=

0	0	1	1
0	0	1	1
0	0	0	1
0	0	1	0
0	1	0	0

3. Make sure your script is running when F5 is pressed. Nothing should be printed on the command window (use ; after every command). Submit your m file through the moodle.