EECE.2160: ECE Application Programming Fall 2017

Lecture 6: Key Questions September 18, 2017

1. Describe the basic elements of a flowchart.

- 2. Design a flowchart to solve the following:
 - Prompt a user to enter four numbers on a single line, which represent the contents of a 2x2 array
 - After reading the values, your program should print the matrix represented by these values
 - For example, if the user enters "1 2 3 4", print:
 - 1 2
 - 3 4
 - Assume all values have the same number of digits
 - Also, calculate the matrix discriminant and print it on a separate line
 - In the example above, discriminant = (1x4) (2x3) = 4-6 = -2

EECE.2160: ECE Application Programming Fall 2017

3. Convert the flowchart you wrote into a C program.