ECSE597/ECSE472

Assignment #1

Question 1. Add the stamps for the following elements in functions named *makeGmatrix.m*, *makeCmatrix.m,* and *makeBvect.m*

1. Resistor *(already Implemented)*
2. Capacitor
3. Inductor
4. Voltage Source *(already Implemented for DC voltage sources)*
5. Current Source
6. Voltage Controlled Voltage Source
7. Voltage Controlled Current Source
8. Current Controlled Current Source
9. Mutual Inductor
10. Ideal opamp

Question 2. Write a frequency analysis function named *fsolve.m.*

Run all test bench functions provided to test your simulator.

Deliverables:

1. Submit all your code in a zip file.
2. Submit a PDF file containing your results for all testbench functions.