ECSE 543 – ASSINGNMENT 2: ADDITIONAL INSTRUCTIONS FOR QUESTION #2

UNIX (or similar) Environments:

1. COMMAND FOR COMPILING SIMPLE2D SOURCE CODE ON **UNIX** (or similar) ENVIORONMNETS:

   `gfortran simple2d.for feutilit.for –o simple2d.exe`

   Note: The above command will produce an executable file named 'simple2d.exe' assuming the files 'simple2d.for' and 'feutilit.for' are located in the current directory.

2. COMMAND FOR RUNNING SIMPLE2D.EXE:

   `./simple2d.exe <s2d03.dat >s2d03.out`

   Note: The above command assumes that the input file 's2d03.dat' exists in the same directory as the executable file created in the previous step. The output of the program will appear in the file 's2d03.out'.

3. ADDINTIONAL NOTES:
   a. The instructions above assume you have access to a UNIX– like environment with a Fortran compiler installed, such as:

      - Mac OS X (e.g., using the 'Terminal" app)
      - Linux
      - Windows (e.g. CygWin or MinGW)

      If necessary, you can download a Fortran compiler at: https://gcc.gnu.org/wiki/GFortranBinaries (You may already have one installed).

   b. The ECE UNIX machines have 'gfortran' installed on them. See the following link for accessing them:

      http://www.mcgill.ca/ece/department/itservice/faq

   c. Some useful commands for login and file transfer to UINIX machines:

      Login: ssh –l username machine_name
      File transfer: scp filename username@machinename: