CS 450 MPX Project- R5
Setup Guide for Serial Port Emulator for Windows

*Requirements: computer must be running Microsoft Windows (XP or Vista).
If you computer already has serial ports (if it is a desktop), go to the device manager and DISABLE all COM ports (do not uninstall them, just disable them). This will allow you to install COM1 and COM2 as virtual serial ports.
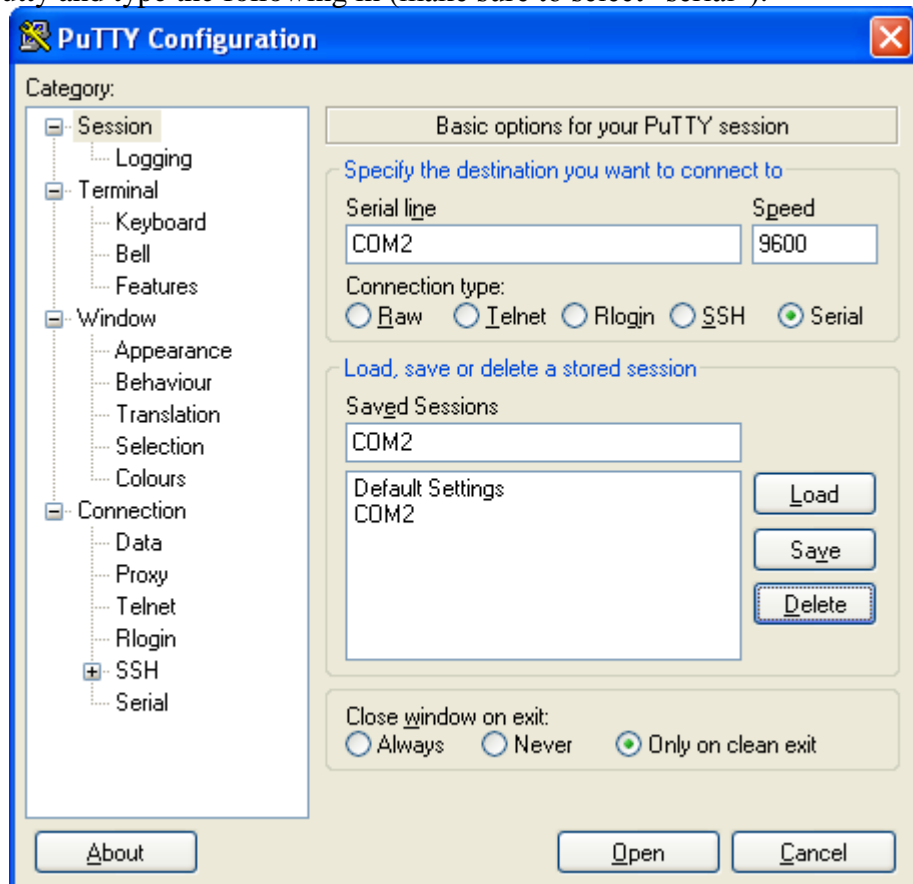
1. Go to the course website (http://csee.wvu.edu/~abrady1/cs450/) and download **PuTTY** and the **Serial Port Emulator**.
2. Extract the Serial Port Emulator archive.
3. Run "setup" and do not change any of the defaults. If the Found New Hardware Wizard pops up, click "No, not this time" when asked about checking windows update, then click next, then select "Install automatically" and click next.
4. Goto Start->Programs-> com0com-> setup command prompt
5. Type the following commands
```
change cnca0 PortName=COM1
change cncb0 PortName=COM2
```
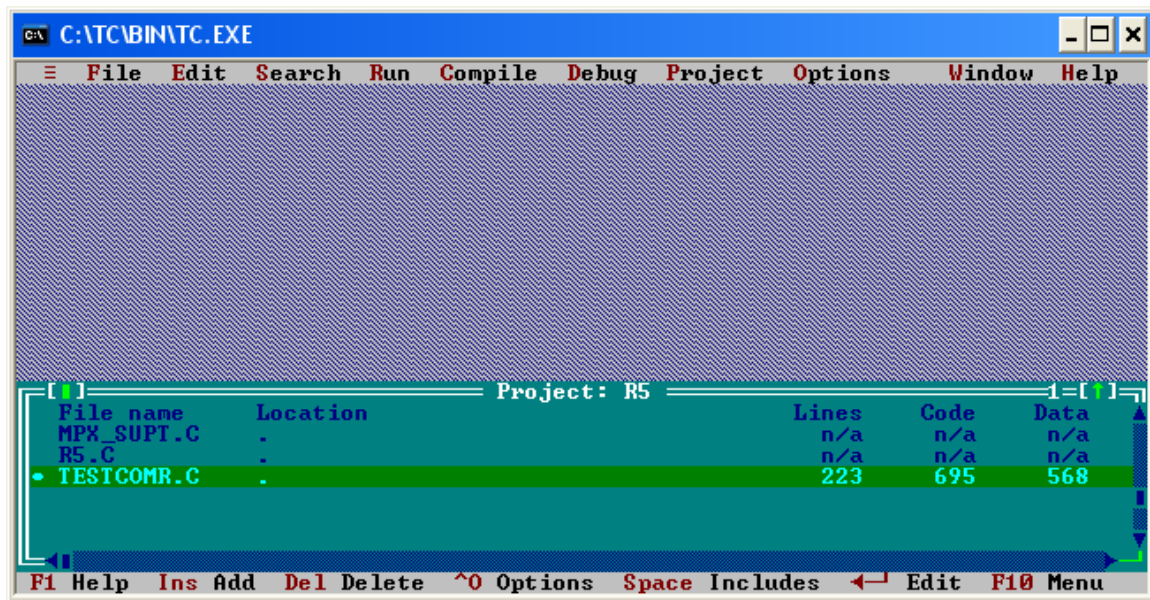You should now have the COM1 and COM2 ports available to you.
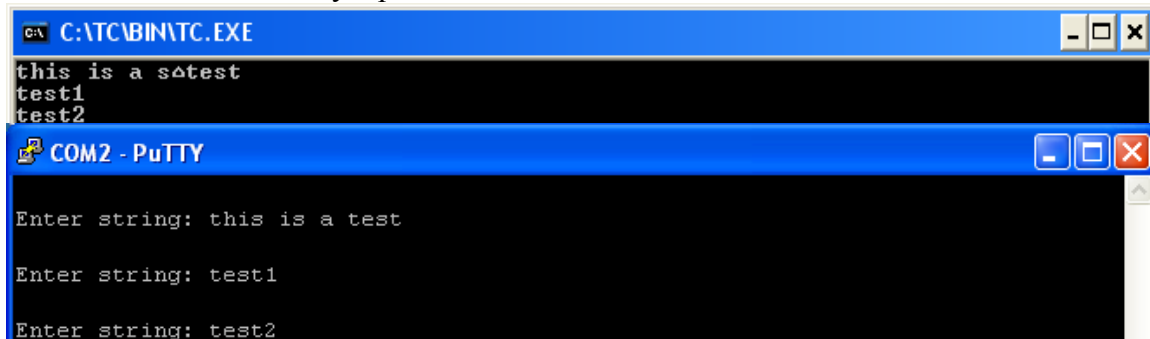Open Putty and type the following in (make sure to select "serial"):

6. Click Open

7. You may test the serial port emulator by creating another Putty session using the COM1 port and typing in each window. If what you type appears in the other Putty Window, everything is working correctly.

8. For R5- create a **new Turbo C project** and compile like this:
Note that for R5, you only compile MPX_SUPT.C, R5.C, and one of the test processes (will be made available on the web). This will connect MPX to COM1, and Putty will be connected to COM2.

9. Then Run it with Putty Open….

10. You can test R5 by compiling R5 with TestComW.C (it has its own main method)

Notes

If you experience problems when trying to connect to COM1 or COM2 in Putty, go to the device manager and make sure the device drivers for the com0com ports are installed correctly. If you see a yellow question mark, update the drivers (allow windows to install them automatically). Also, make sure you complete steps 5 and 6 above.