Connecting to your Raspberry Pi with VNC remote desktop software

First install the VNC server software on your Raspberry Pi

To install the software enter the command below in the terminal window of the RPi

sudo apt-get install tightvncserver

After software is installed run the command below:

vncserver

The first time you run the software the message below will appear in terminal window

"you will require a password to access your desktop

Password:"

Enter the password you want to use and press the Enter key to register the password. Apparently, the password is limited to 8 characters, so don't use more than 8 characters for your password. Make sure you don't forget the password!

You will also be asked if you want to add a view only password and I answered no to this.

Now the vncserver software will be running on the RPi, which is necessary before you can connect to it. If you reboot your RPi, you will need to issue the vncserver command again to start up the software.

Now determine the ip address of your RPi

OK, now set up VNC client software on your PC (running Windows)

On your PC, do the following:

1. Go to this web site: http://tightvnc.com and click the link labeled **Get your free copy of TightVNC!**
2. Download the software appropriate for your computer (I downloaded 32 bit version for Windows)
3. After file downloads, run it to install the software. Here you only want to install the client software not the server software.
4. During set up when you get to dialog box with title **Choose Setup Type**, click on the **Custom** button
5. In the **Custom Setup** box open the drop down for **TightVNC Server** and select **Entire feature will be unavailable**. (when selected, then server software is not installed -- you only need the client software on your PC) Then click the **Next** button
6. Then a box titled **Select Additional features** will appear. There are two features listed with the boxes checked. Here I just clicked the **Next** button to add these two features
7. In next box there should be an **Install** button, which you click to complete installation of the client software on your PC.

Now, with your Raspberry Pi running the VNC server software you can connect with remote desktop client as follows:

1. Start the TightVNC client software on your PC
2. In the **TightVNC Connection** box, in the **Remote Host** slot, enter the ip address of your RPi followed by a colon and the digit 1. For example, if ip address is 189.19.63.127 , in the **Remote Host** slot enter this: 189.19.63.127:1
3. Then click the **Connect** button
4. You will now be asked for the password (not the RPi password, but the password you selected during installation of the VNC server software).

If all goes well, a remote desktop window should open on your PC. In this window you should be able to control the RPi, similar to using the actual desktop of the RPi.