

EE 480

HOMEWORK 2

Note: Homework assignments must be completed individually. Plagiarism will result in receiving no credit for the assignment. Thorough answers for each question (250 - 300 word answers) is expected. Due date for this homework can be found on the course website schedule. Use the upload form link on the course website schedule to submit this project.

1. Describe (give the commands) on how to setup SSH on the RPi and connect to it from another computer using a client such as PUTTY.
 2. Describe how to use the Raspbian (The RPi's Debian-based Linux OS) command line interface (cli) package manager. Give the commands to update the packages on your system. Give the commands to install the VIM text editor and wavemon Wi-Fi management tool.
 3. Give the cli commands for the following:
 - Create a new directory in your home directory called "Projects".
 - Move into the "Projects" directory.
 - Create a new file called "FirstFile".
 - Open "FirstFile" with the Nano text editor.
 - Add the text, "This is a test file."
 - Save the file and exit Nano.
 - List the contents of the "Projects" directory.
 - View the contents of "FirstFile" at the command line.
 4. Give the specific cli commands to make the ACT LED flash at 10Hz.
 5. Give the specific cli commands to reboot and commands to shutdown your RPi.
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