**1-3 Assignment: Preparing Your Raspberry Pi**

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Thanks for responding to my email about using a Raspberry Pi5, I was able to secure the necessary funds and purchase everything from the school. It arrived in two days, much quicker than I anticipated. I was able to set up my Raspberry Pi without much trouble. I own many Raspberry Pi and keep multiple SD cards and readers at hand. I noticed during the setup instructions, “sudo app install zip unzip” should have been “sudo apt install zip unzip”. I chose to run the Ubuntu desktop version rather than using SSH and remoting in because my daughter has taken an interest in coding and likes to observe. Using the desktop version, I can do my coursework and teach her a simplified version at the same time. I enabled SSH on the Pi and used the secure copy protocol to transfer the zip file to the Pi.

After the files were transferred to the Pi, I created a new directory and extracted them. Setting up the solderless breadboard wasn’t complicated. I was able to configure the board properly and power on the Raspberry Pi. Once the Pi was powered on, I moved to the directory and ran the GPIO\_18\_on.py program, which illuminated the light. GPIO\_18\_off.py turned off the red LED light. SimpleBlink.py made the light blink slowly. I showed my child the code, and we modified it a little to change the blink duration.

I didn’t encounter any issue that couldn’t be resolved by reading the instructions.

