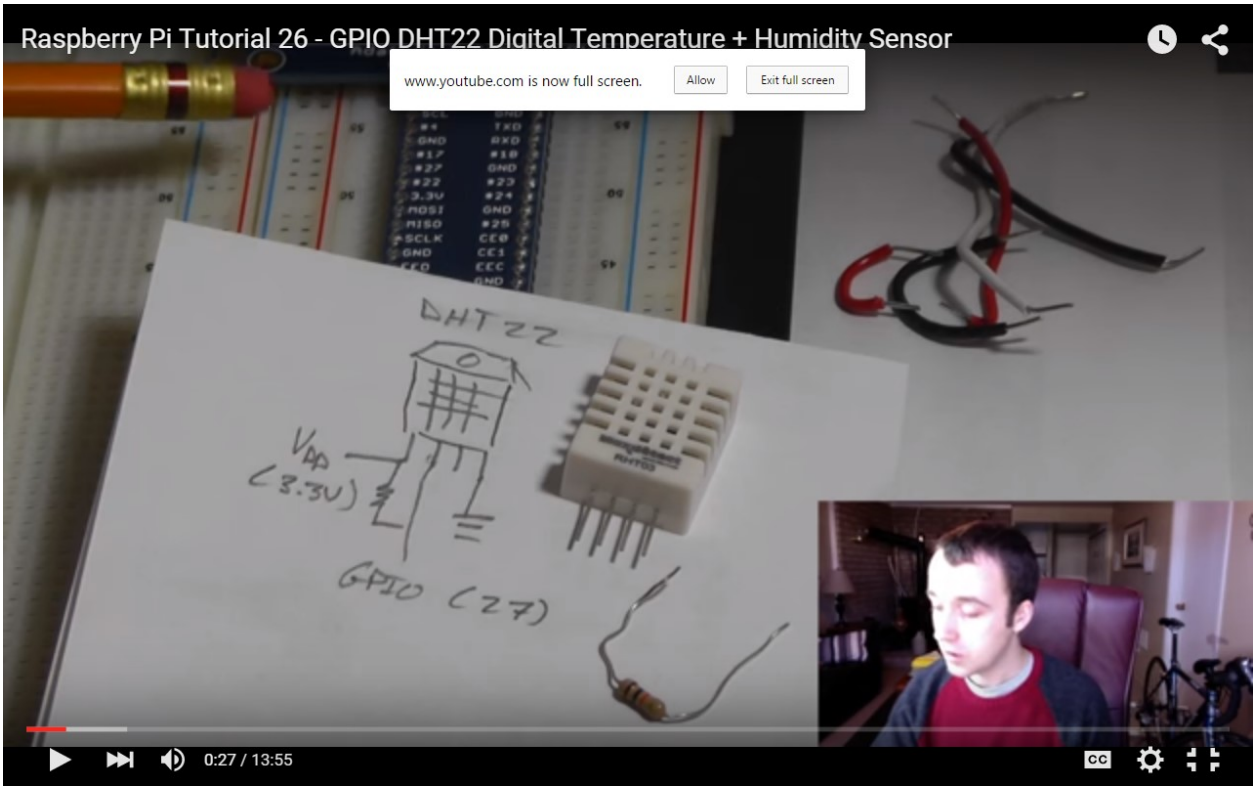
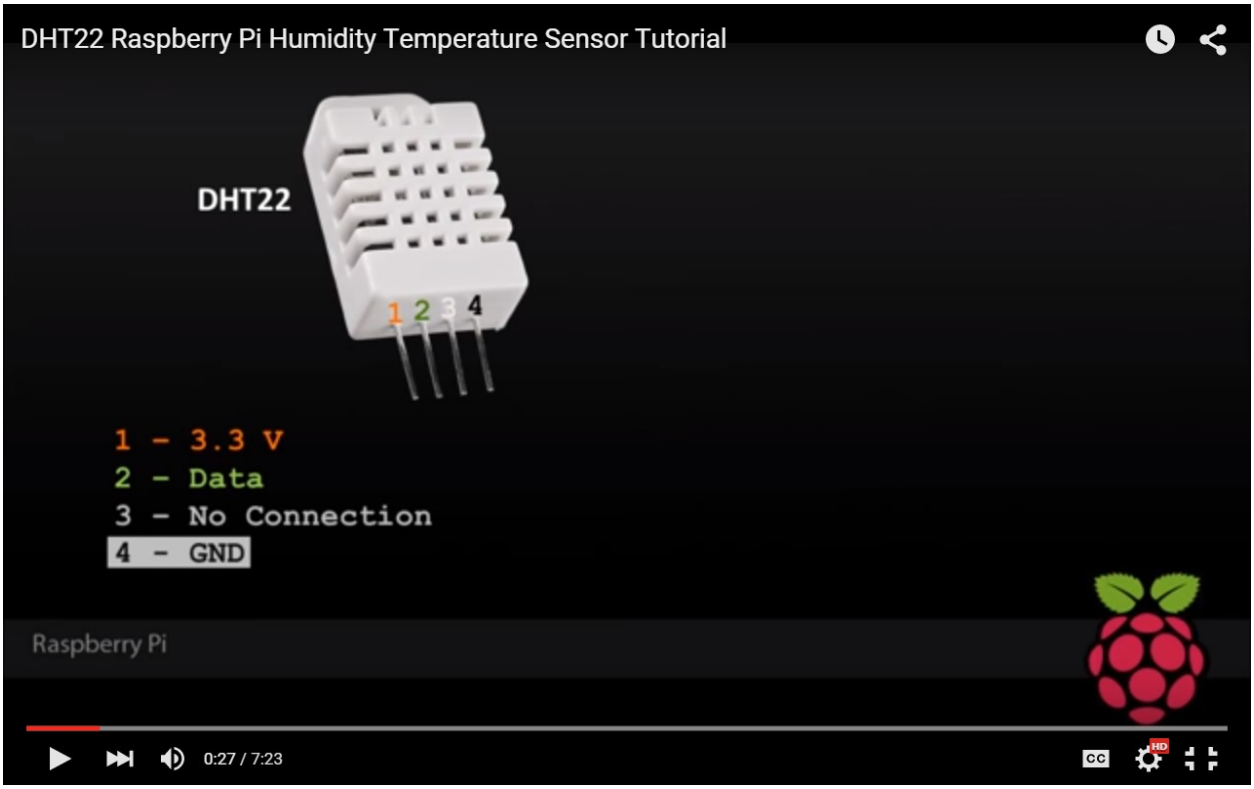
DHT22 Sensor Experiment Raspberry PI 2

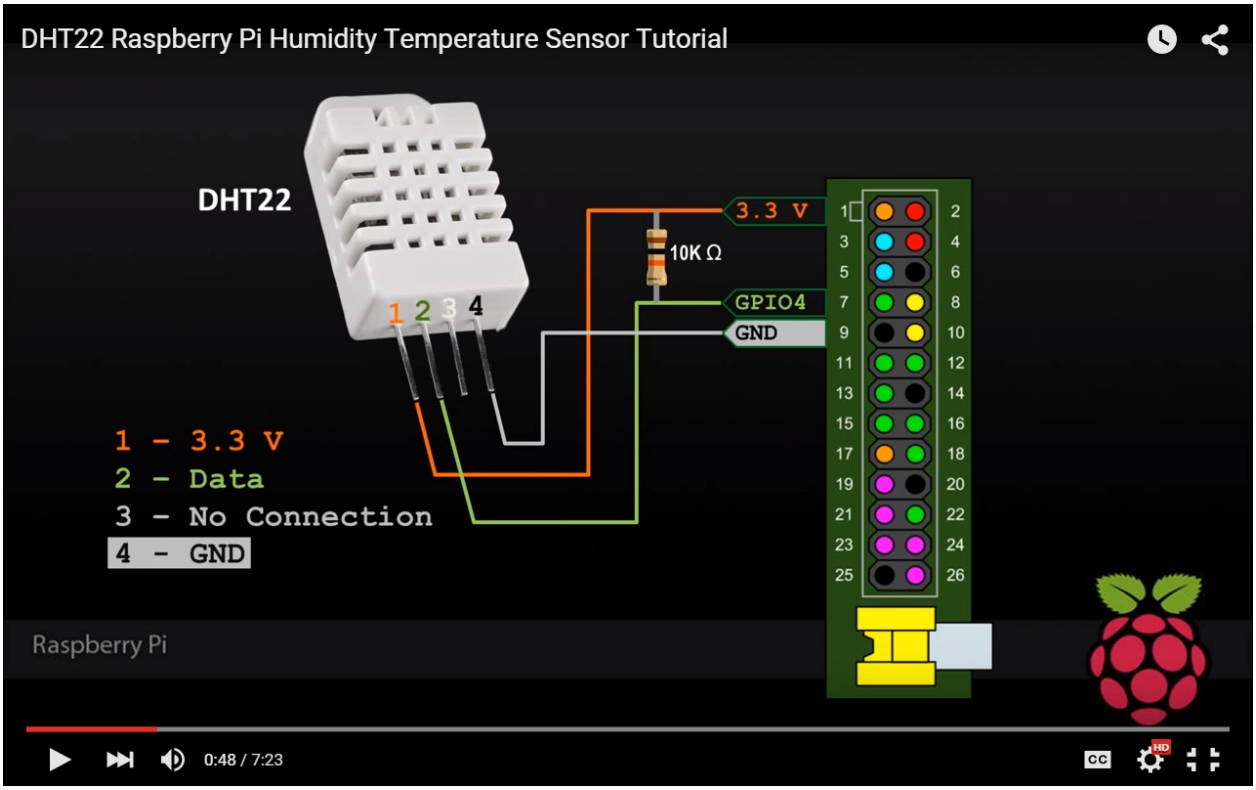
Most the code and work is taken from this video
https://www.youtube.com/watch?v=e1c1EwFHHss
There one modification when running commands **sudo make install** was used instead of **make install** as there was a permission issue.

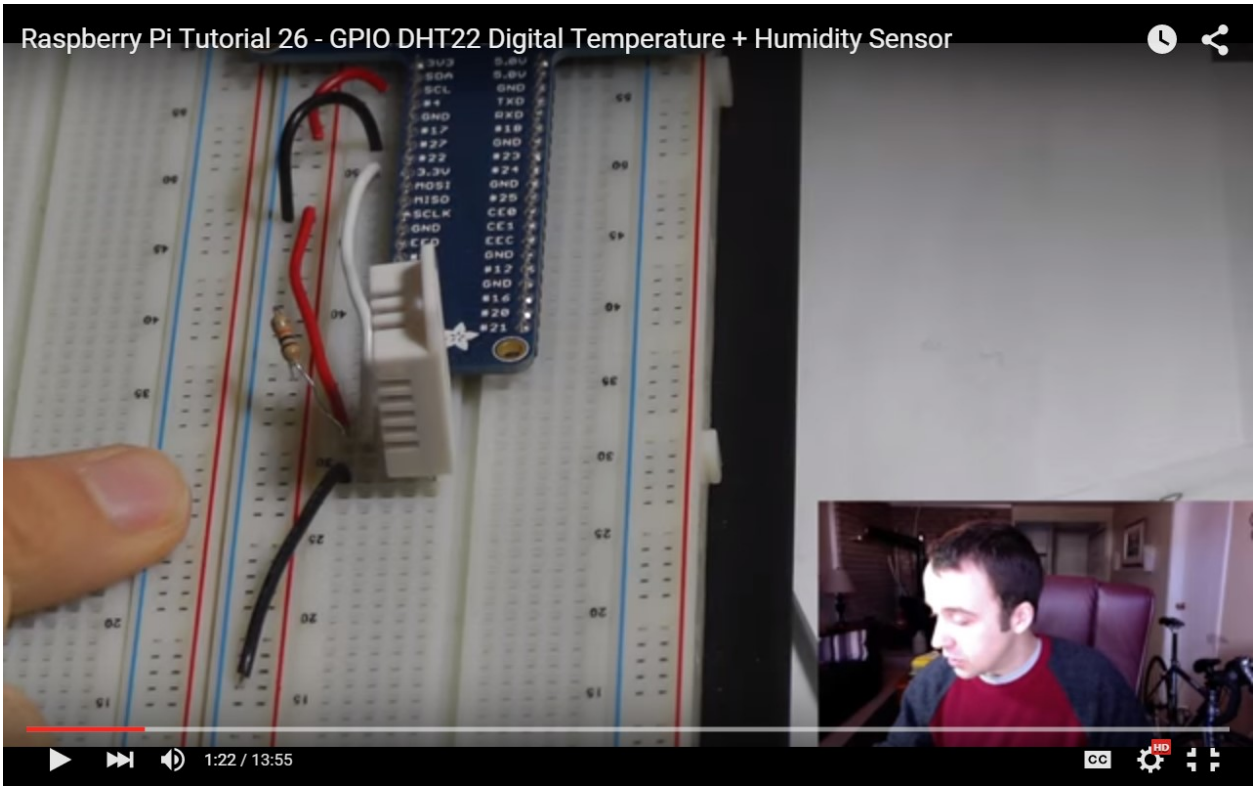
We have taken the circuit from the below video and blog which are by the creator of video
https://www.youtube.com/watch?v=IHTnU1T8ETk
http://www.rototron.info/dht22-tutorial-for-raspberry-pi/
But following this we had issue with some drivers using Adafruit library and then we moved to the first video for completing this experiment. We still retained the circuit but as the GP4 “4” gpio pin did not work we had to move to GP27 “27” gpio pin. As suggested by first video.

Circuits




DHT22 Raspberry Pi Humidity Temperature Sensor Tutorial
DHT22
1 2 3 4
1 - 3.3 V
2 - Data
3 - No Connection
4 - GND
Raspberry Pi
0:27 / 7:23


DHT22 Raspberry Pi Humidity Temperature Sensor Tutorial
DHT22
1 2 3 4
3.3 V
10K Ω
GPIO4
GND
1 - 3.3 V
2 - Data
3 - No Connection
4 - GND
Raspberry Pi
0:48 / 7:23



Setup & Code

The coding is in python, I have followed the instructions on the below video for complete coding and library download.

https://www.youtube.com/watch?v=e1c1EwFHHss

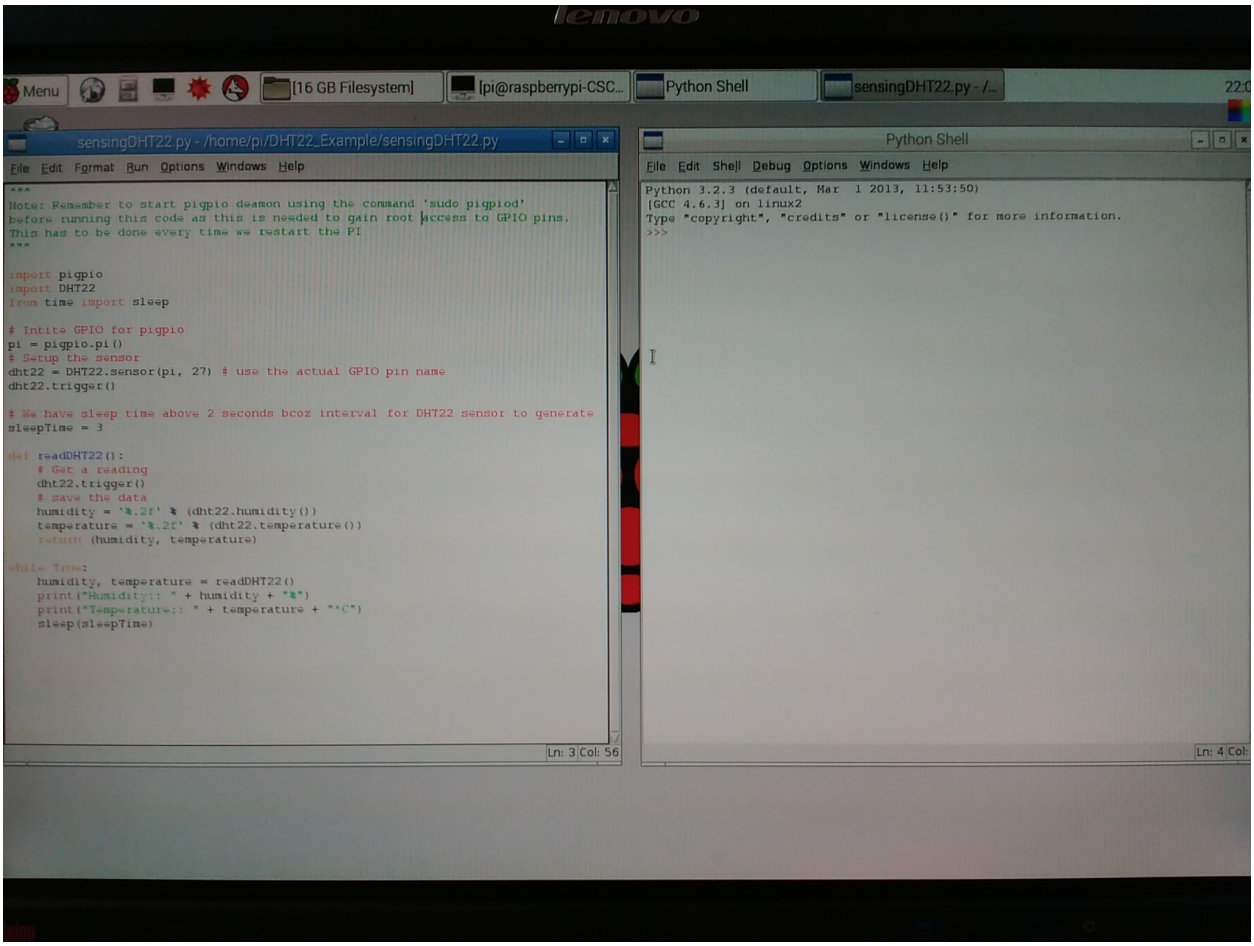
sudo apt-get update
sudo apt-get upgrade
wget http://abyz.co.uk/rpi/pigpio/pigpio.zip
unzip pigpio.zip
cd PIGPIO/
make
sudo make install
sudo python3 setup.py install
cd ~

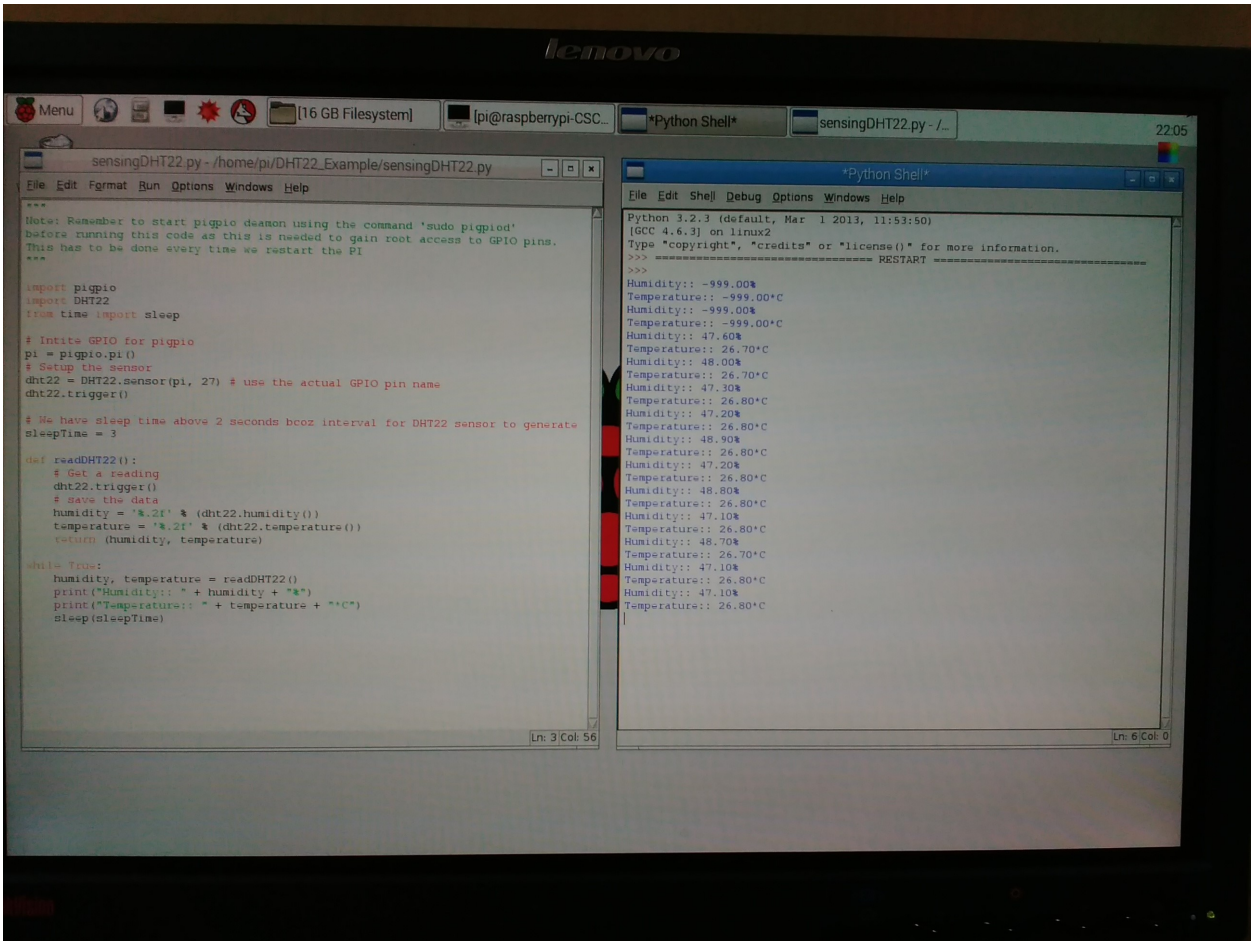
Go to http://abyz.co.uk/rpi/pigpio/examples.html and download python code “DHT22/AM2302 sensor”. Unzip the code example take the “DHT22.py” file and copy to folder where you want to write your code to read sensor data.

sudo pigpiod

Start running the code you have created.

sensingDHT22.py





Our Circuit after successful experiment