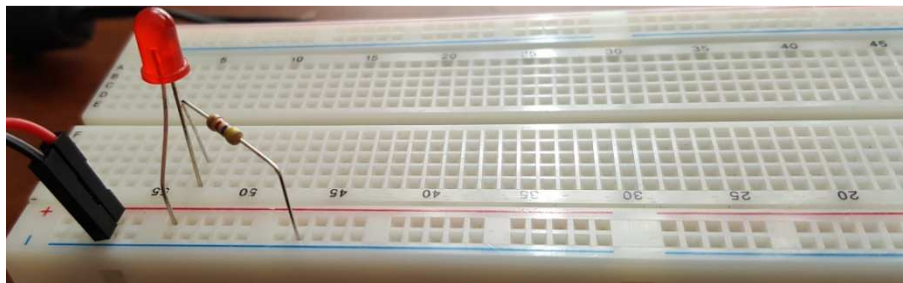
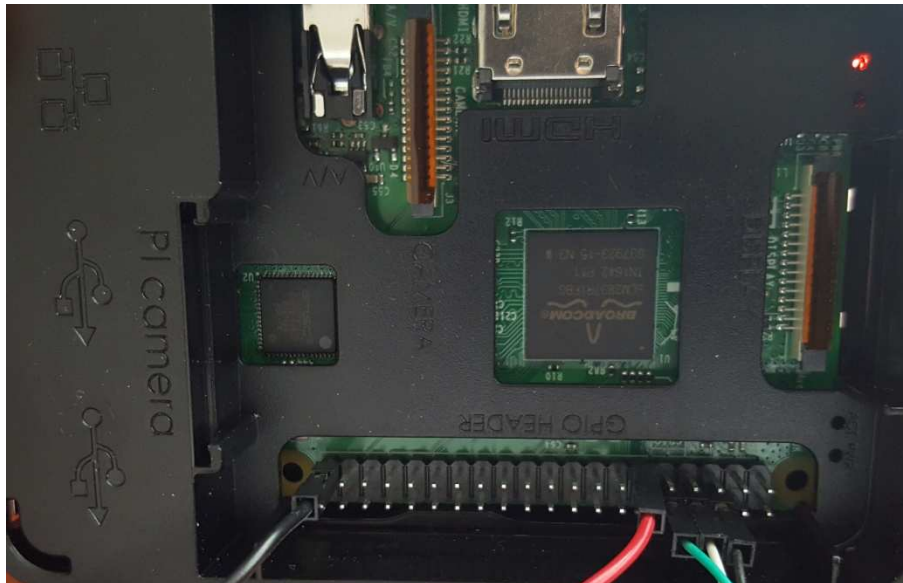
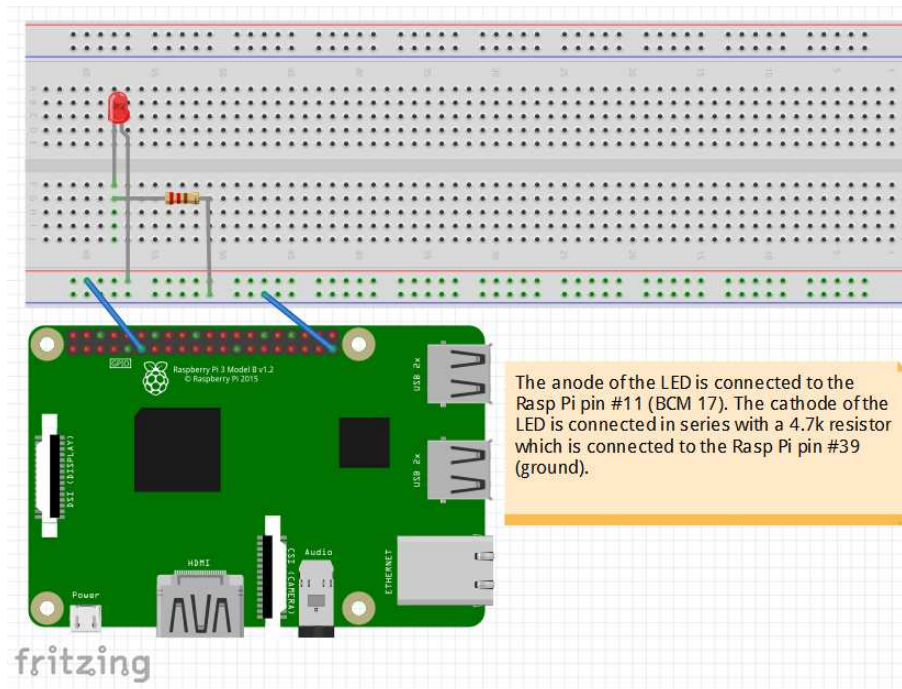


### Assignment 3: Part 1 (blinking LED) Schematic, photos and python code



pi@raspberrypi: ~/Assignments/LED2

GNU nano 2.2.6

File: myBlinkingLed.py

```
#!/usr/bin/python
import RPi.GPIO as GPIO
import time

GPIO.setmode(GPIO.BCM)
GPIO.setup(17, GPIO.OUT)

# This program causes an LED to blink 3 times rapidly followed by a
# 5 second pause. The LED then blinks 4 times rapidly followed
# by another 5 second pause. This loops indefinitely.
def Blink():
    blinks = 3
    while(1):
        for i in range(0, blinks):
            print "blink #" + str(i+1)
            GPIO.output(17, True)
            time.sleep(.1)
            GPIO.output(17, False)
            time.sleep(.1)
        for i in range(0, 5):
            time.sleep(1)
        blinks = 7 - blinks

Blink()
```