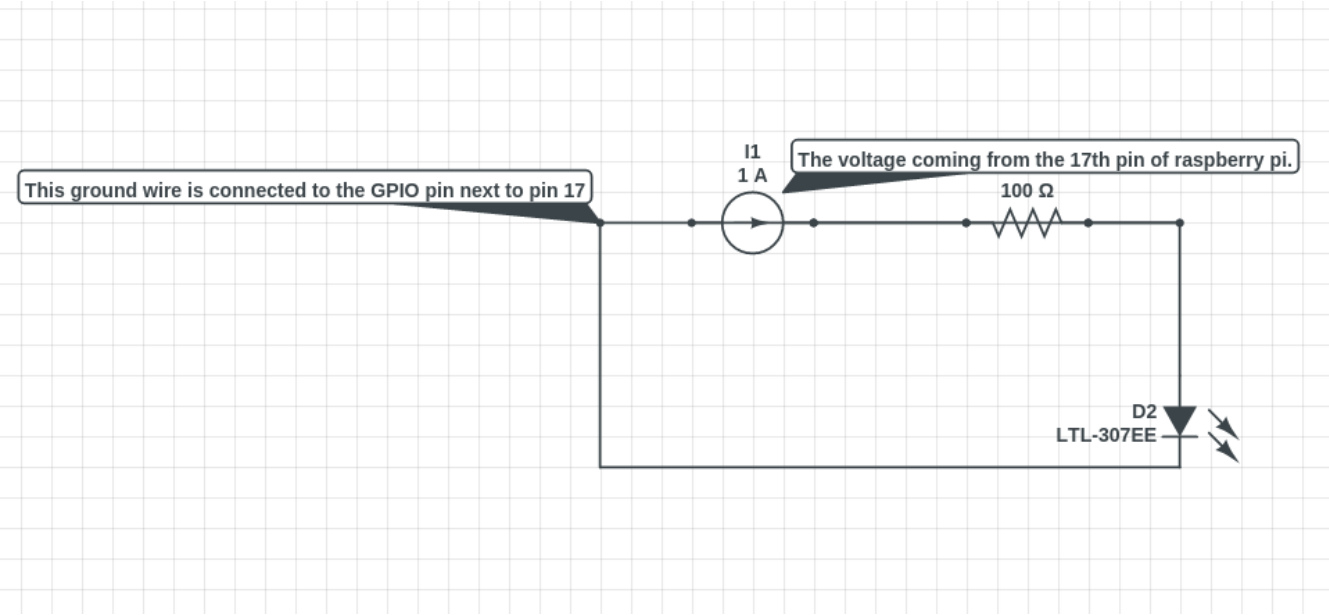
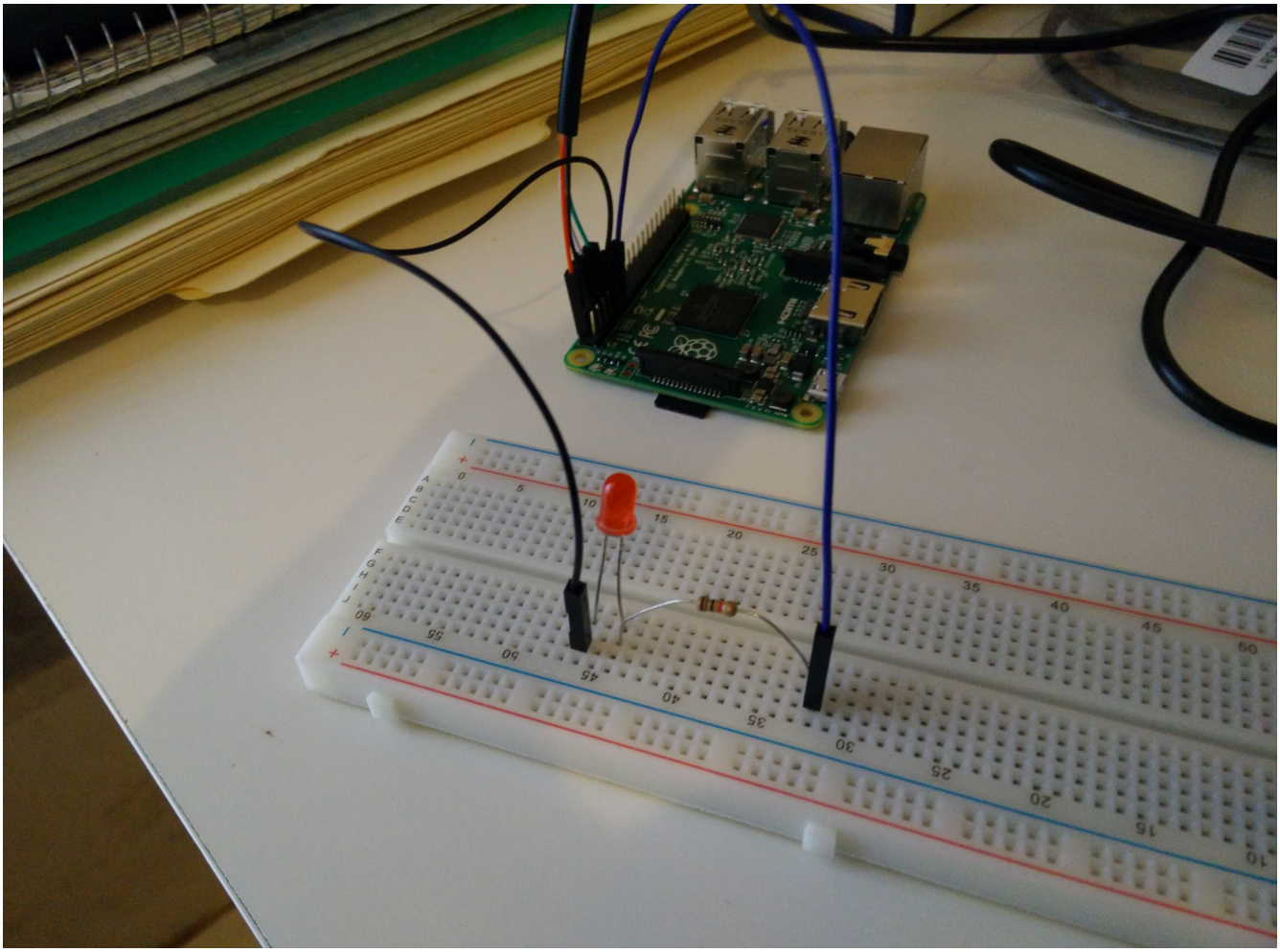
Assignment #3

Pin Diagram





Code #1

```
import RPi.GPIO as GPIO
import time

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

def Blink():
	for i in range(0,20):
		print "blink #" + str(i+1)
		GPIO.output(17,True)
		time.sleep(1)
		GPIO.output(17,False)
		time.sleep(1)
	print "done!!"
	GPIO.cleanup()
Blink()
```

Exercise #2

```
#!ELSpring2016/code/myBlinkingLed.py
import RPi.GPIO as GPIO
import time

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

def Blink():
    for i in range(0,10):
        blink3= 3                       //value restored
        blink4= 4                       //value restored
        print "blink #" + str(i+1)
        while blink3>0:
            GPIO.output(17,True)
            time.sleep(.2)
            GPIO.output(17,False)       //3 fast blinks
            time.sleep(.2)
            blink3 = blink3 - 1
        time.sleep(5)                   //Wait time 5 Sec
        while blink4>0:
            GPIO.output(17,True)
            time.sleep(.2)
            GPIO.output(17,False)       //4 fast blinks
            time.sleep(.2)
            blink4 = blink4 - 1
        time.sleep(5)                   //Wait time 5 Sec
    print "done!!"
    GPIO.cleanup()
```

Blink()