Breadboard for wiring for an LED

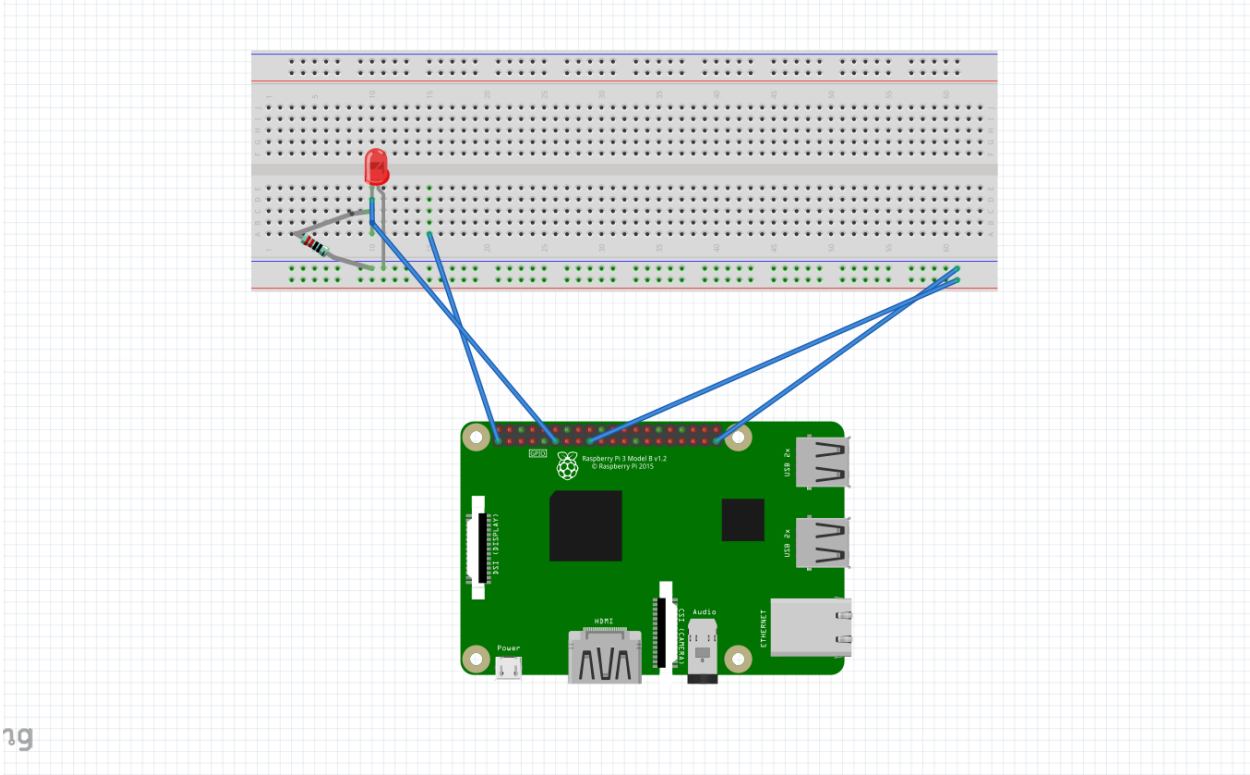

Figure 1: Raspberry pi 3 wiring of an LED using Fritzing software

Assignment 3 part 1

```
!/usr/bin/python
#LED WILL BLINK THREE TIMES
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BCM)
GPIO.setup(17, GPIO.OUT)
def Blink():
 for i in range(0,3):
       print "blink #" + str(i+1)
       GPIO.output(17,True)
       time.sleep(1)
       GPIO.output(17,False)
       time.sleep(1)
 print "done!!"
 GPIO.cleanup()
Blink()
```

```
#Assignment 3 part 1 part b
#Blinking 3 times than takes a 5 second pause and then blinks 4 times and then rests for 5 seconds and
#repeats
#!/usr/bin/python
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BCM)
GPIO.setup(17, GPIO.OUT)
def Blink():
  while(True):
    for i in range(0,3):
      print "blink #" + str(i+1)
      GPIO.output(17,True)
      time.sleep(0.10)
      GPIO.output(17,False)
      time.sleep(0.10)
    print ("Time to go take a 5 second nap")
    time.sleep(5)
    for i in range(0,4):
      print "blink #" + str(i+1)
      GPIO.output(17,True)
      time.sleep(0.10)
      GPIO.output(17,False)
      time.sleep(0.10)
  print ("Time for another 5 second nap")
  time.sleep(5)
  GPIO.cleanup()
Blink()
```

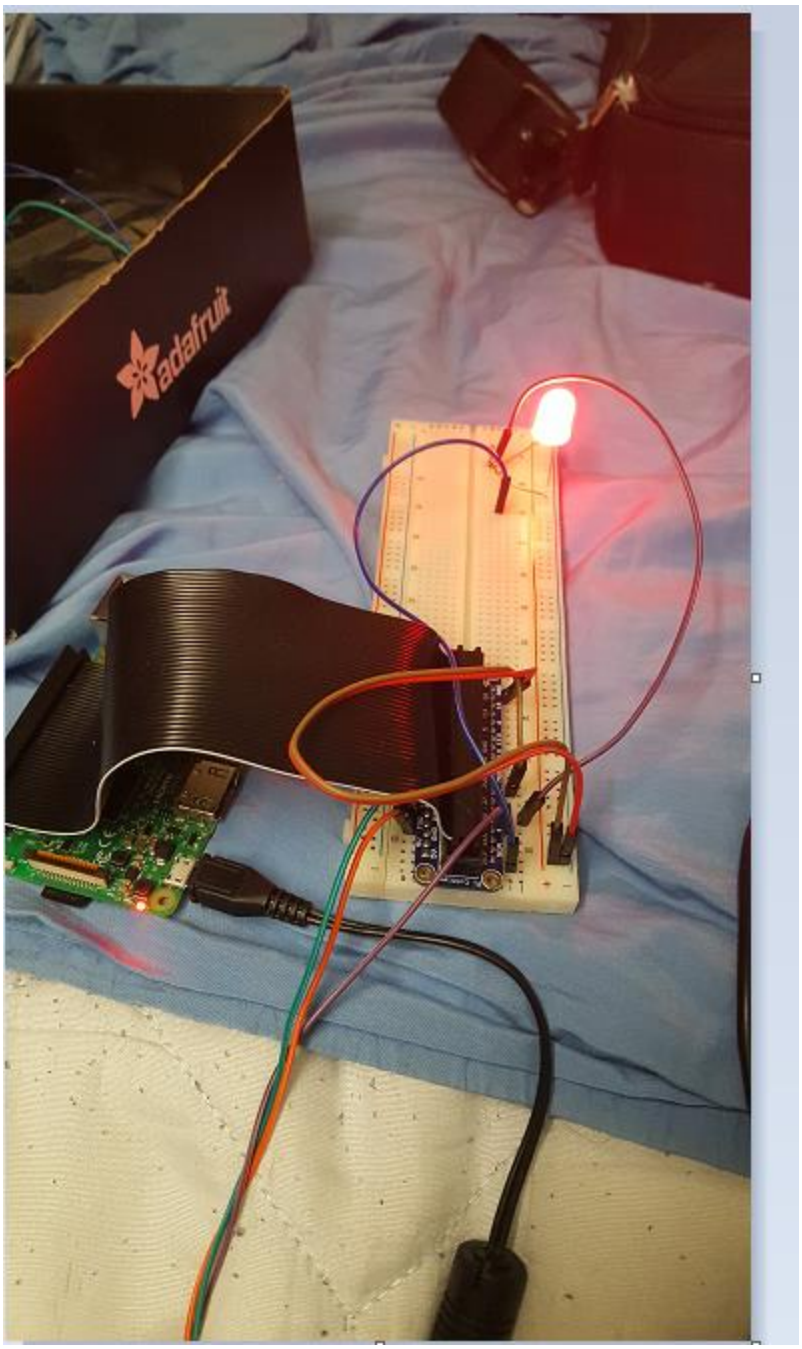

Figure 2: LED BLINKING