

LED Light code and questions

```
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BCM)
GPIO.setwarnings(False)
GPIO.setup(num,GPIO.OUT)
print ("LED on")
GPIO.output (num, GPIO.HIGH)
time.sleep(5)
print ("LED off")
GPIO.output(num, GPIO.LOW)
```

The purpose of the bread board is to use use external electronics with the Raspberry Pi.

The LED orientation does matter as the cathode needs to be connected to ground and the anode needs to be connect to power otherwise it won't turn on.

You add a resistor to the circuit so the LED doesn't take to much voltage and explode.

A resistor with greater resistance would cause the light be dimmer.