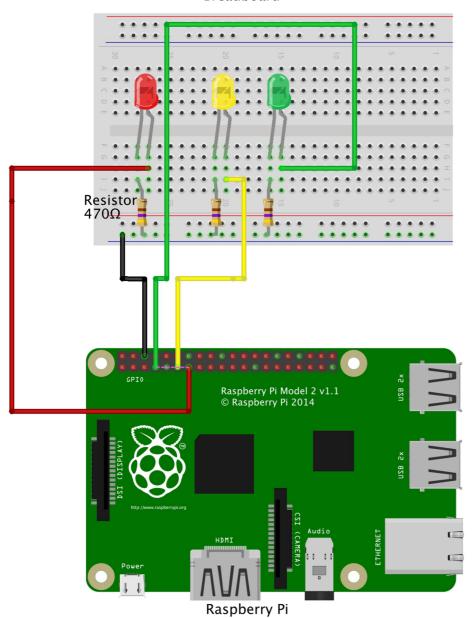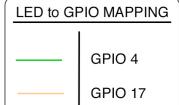# CONNECTION OF LEDS TO BREADBOARD AND RASPBERRY PI

Breadboard

Resistor
470Ω

- +

Longer leg of the LED is the anode (+) , shorter leg is the cathode (-)

GPIO

Raspberry Pi Model 2 v1.1
© Raspberry Pi 2014

USB 2x

USB 2x

DSI (DISPLAY)

http://www.raspberrypi.org

CSI (CAMERA)

Audio

ETHERNET

Power

HDMI

Raspberry Pi

LED to GPIO MAPPING

———	GPIO 4
———	GPIO 17
———	GPIO 27

GPIO COMMANDS

Set the LED pins to the GPIO outputs:

```
gpio -g mode 4  out      %Green LED
gpio -g mode 17 out      %Yellow LED
gpio -g mode 27 out      %Red LED
```

Turn LEDs ON:

```
gpio -g write 4  on      %Green LED
gpio -g write 17 on      %Yellow LED
gpio -g write 27 on      %Red LED
```

Turn LEDs OFF:

```
gpio -g write 4  off     %Green LED
gpio -g write 17 off     %Yellow LED
gpio -g write 27 off     %Red LED
```