

# PART 1: Now let's use Python to turn on the LEDs

## Task 1: Let's have some fun with the LEDs:

Go to:



=> Programming => Python 3 IDLE

### Step 1: Import necessary modules

Import python module for GPIO Ports

Type `"import RPi.GPIO as GPIO"` then hit the return key ↵

### Step 2: Setup GPIO to use BCM numbering

Type `"GPIO.setmode(GPIO.BCM)"` then hit the return key ↵

### Step 3: Setup the Red LED on port 27

Type `"GPIO.setup(27, GPIO.OUT)"` then hit the return key ↵

### Step 4: Turn on the Red LED

Type `"GPIO.output(27, True)"` then hit the return key ↵

### Step 5: Turn off the Red LED

Type `"GPIO.output(27, False)"` then hit the return key ↵

### Step 6: Turn on & off Yellow and Green LEDs

Repeat steps 3 – 5 using the ports 17 and 4 to turn on the yellow and green LEDs respectively.