**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.