ASSIGNMENT3

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LEDBLINKINGUSINGRASPBERRYPI: PYTHONCODE:

importRpi.GPIOasGPIO importtime ledPin=22

defsetup():

GPIO.setmode(GPIO.BOARD)

GPIO.setup(ledPin,GPIO.OUT)

GPIO.output(ledPin,GPIO.LOW)

defloop():

whileTrue:

print'LEDon'

GPIO.output(ledPin,GPIO.HIGH) time.sleep(1.0) print'LEDoff'

GPIO.output(ledPin,GPIO.LOW)

time.sleep(1.0)

defendprogram():

GPIO.output(ledPin,GPIO.LOW)

GPIO.cleanup()

if\_\_name\_\_=='\_\_main\_\_':

setup()

try:

loop()

exceptKeyboardInterrupt: endprogram()

TRAFFICLIGHTUSINGRASPBERRYPI: PYTHONCODE:

fromgpiozeroimportLED fromtimeimportsleep red=LED(22) orange=LED(27) green=LED(17) whileTrue: red.on() sleep(1) orange.on(1)

sleep(1) green.on() sleep(1) red.off() sleep(1) orange.off() sleep(1) green.off()