PYTHON CODE FOR BLINKING LED

ASSIGNMENT 3

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Import RPi.GPIO as GPIO

Import time

GPIO.setmode(GPIO.BCM)

#GPIO.setmode(GPIO.BOARD)

Cnt = 0

MAIL\_CHECK\_FREQ = 1

RED\_LED = 4

GPIO.setup(RED\_LED, GPIO.OUT)

While True:

Ifcnt == 0 :

GPIO.output(RED\_LED, False)

Cnt = 1

Else:

GPIO.output(RED\_LED, True)

Cnt = 0

Time.sleep(MAIL\_CHECK\_FREQ)

GPIO.cleanup()

PYTHON CODE FOR TRAFFIC LIGHTS

from gpiozero import Button, TrafficLights, Buzzer

from time import sleep

buzzer = Buzzer(15)

button = Button(21)

lights = TrafficLights(25, 8, 7)

while True:

button.wait\_for\_press()

buzzer.on()

light.green.on()

sleep(1)

lights.amber.on()

sleep(1)

lights.red.on()

sleep(1)

lights.off()

buzzer.off()