Assignment 3

Python code for blinking LED and Traffic light for Raspberry pi

import RPi.GPIO as GPIO

from time import sleep

from gpiozero import TrafficLights

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(15, GPIO.OUT, initial=GPIO.LOW)

lights = TrafficLights(25, 8, 7)

while True:

GPIO.output(15, GPIO.HIGH)

sleep(1)

GPIO.output(15, GPIO.LOW)

sleep(1)

while True:

lights.green.on()

sleep(1)

lights.amber.on()

sleep(1)

lights.red.on()

sleep(1)