ASSIGNMENT 3

Python code for blinking LED and Traffic Light for Raspberry pi

Code for LED

from gpiozero import LED

from time import sleep

led=LED(16)

while True:

led.on()

sleep(1)

led.off()

sleep(1)

Code for Traffic light

import RPi.GPIO as GPIO

import time

GPIO.setmode(GPIO.BOARD)

red=7

yellow=11

green=13

GPIO.setup(red,GPIO.OUT)

GPIO.setup(yellow,GPIO.OUT)

GPIO.setup(green,GPIO.OUT)

while True:

GPIO.output(red,True)

sleep(3)

GPIO.output(red,False)

GPIO.output(yellow,True)

sleep(1)

GPIO.output(yellow,False)

GPIO.output(green,True)

sleep(3)

GPIO.output(green,False)

GPIO.cleanup()