ASSIGNMENT-3

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Write python code for blinking LED and Traffic lights for Raspberry pi. Only python code is enough, no need to execute in raspberry pi.

Program:

import RPi.GPIO as GPIO

import time import signal

import sys

GPIO.setmode(GPIO.BCM)
GPIO.setup(9, GPIO.OUT)

GPIO.setup(10, GPIO.OUT)

GPIO.setup(11, GPIO.OUT)

def allLightsOff(signal, frame):
 GPIO.output(9, False)

GPIO.output(10, False) GPIO.output(11, False) GPIO.cleanup() sys.exit(0)

signal.signal(signal.SIGINT, allLightsOff)

while True:

GPIO.output(9, True)
time.sleep(3)

GPIO.output(10, True)
time.sleep(1)

GPIO.output(9, False)
GPIO.output(10, False)

GPIO.output(11, True)
time.sleep(5)

GPIO.output(11, False)
GPIO.output(11, True)
time.sleep(5)

GPIO.output(10, False)