**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(10, True)

time.sleep(2) GPIO.output(10, False)