ASSIGNMENT NO : 3

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CODE:

                 Python code for Blinking Led using Raspberry pi

import RPi.GPIO as GPIO

from time import sleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)

while True:

    GPIO.output(8, GPIO.HIGH)

    sleep(1)

    GPIO.output(8, GPIO.LOW)

    sleep(1)

 CODE:

                  Python code for traffic light using raspberry pi

import RPi.GPIO as GPIO

import time

import signal

import sys

GPIO.setmode(GPIO.BCM)

GPIO.setup(10, GPIO.OUT)

GPIO.setup(11, GPIO.OUT)

GPIO.setup(12, GPIO.OUT)

def allLightsOff(signal, frame):

    GPIO.output(11, False)

    GPIO.output(12, False)

    GPIO.output(13, 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)