IBM (NALAIYA THIRAN)

ASSIGNMENT NO : 3

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QUESTION 1:

Write a python code for blinking LED for Raspberry pi.

CODE:

import RPi.GPIO as GPIO

import time

GPIO.setmode(GPIO.BCM)

cnt=0

MAIL\_CHECK\_FERQ=1

RED\_LED=4

GPIO.setup(RED\_LED,GPIO.OUT)

while True:

if cnt==0:

GPIO.Output(RED\_LED,Flase)

cnt=1

else:

GPIO.output(RED\_LED,True)

cnt=0

time.sleep(MAIL\_CHECK\_FREQ)

GPIO.cleanup()

QUESTION 2:

Write a python code for Traffic light for Raspberry pi

CODE:

import RPi.GPIO as GPIO

from time import sleep

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,Flase)

GPIO.Output(green,True)

Sleep(3)

GPIO.Output(green,Flase)

GPIO.cleanup()