ASSIGNMENT 3

Write python code for blinking LED and traffic lights for Raspberry Pi

**traffic lights :**

import time

import RPi.GPIO as GPIO

GPIO.setmode(GPIO.BOARD)

GPIO.setup(11, GPIO.OUT)

GPIO.setup(12, GPIO.OUT)

GPIO.setup(13, GPIO.OUT)

while True:

GPIO.output(11,True) ## Turn on redLed

time.sleep(1) ## Wait for one second

GPIO.output(11,False) ## Turn off redLed

time.sleep(1) ## Wait for one second

GPIO.output(12,True) ## Turn on yellowLed

time.sleep(1) ## Wait for one second

GPIO.output(12,False) ## Turn off yellowLed

time.sleep(1) ## Wait for one second

GPIO.output(13,True) ## Turn on greenLed

time.sleep(1) ## Wait for one second

GPIO.output(13,False) ## Turn off greenLed

time.sleep(1) ## Wait for one second

**Blinking Led:**

import RPi.GPIO as GPIO # Import Raspberry Pi GPIO library

from time import sleep # Import the sleep function from the time moduleGPIO.setwarnings(False)

#Ignore warning for now

GPIO.setmode(GPIO BOARD) #Use physical pin numbering

GPIO.setup(8,GPIO.OUT,initial=GPIO.LOW)#Set pin 8 to be an output pin and set initial value to low(off) While True:

#Run forever

GPIO.output(8,GPIO.HIGH) #Turn on sleep(1)

#Sleep for 1 second

GPIO.output(8,GPIO.LOW)

#Turn off sleep(1)

#Sleep for 1 second