NAME: YUVAN SHANKAR N S

REGISTER NUMBER: 714019106136

ASSIGNMENT: 3

LED BLINKING

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

from time import sleep      # Import the sleep function from the time module

GPIO.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(2) # Sleep for 2 second

 GPIO.output(8, GPIO.LOW) # Turn off

 sleep(2) # Sleep for 2
```

TRAFFIC LIGHTS

```
impoít Rpi.GPIO as GPIO
impoít time
impoít signal
impoít sys
GPIO.setmode(GPIO.BCM)
GPIO.setup(9,GPIO.OUl')
GPIO.setup(10,GPIO.OU▌')
GPIO.setup(11,GPIO.OU▌')
def allLightsOff(signal,fíameí):
GPIO.output(9,False)
GPIO.output(10,False)
GPIO.output(11,False)
GPIO.cleanup()
sys.exit(0)
signal.signal(signal.SIGIN▌',allLightsOff)
while l'íue:
#Red
GPIO.output(9,l'íue)
l'ime.sleep(3)
#Red and ambeí
GPIO.output(10,l'íue)
l'ime.sleep(1)
#Gíeen
GPIO.output(9,False)
GPIO.output(10,False)
GPIO.output(11,l'íue)
l'ime.sleep(5)
#Ambeí
GPIO.output(11,False)
GPIO.output(10,l'íue)
l'ime.sleep(2)
#Ambeí off(íed comes on at top of loop)
 GPIO.output(10,False)
```