```
aster.off()
green.on
print("Green light is ON") for i in range(30,0,-1):
print("Remaining time: ",i) sleep(1)
green.off()
```

DOMAIN: IOT

PROJECT TITLE:
Signs with Smart Connectivity for Better Road Safety

Name: Nandhini.K (711619104030)

ASSIGNMENT TITLE:
Write a python code for blinking LED ad Traffic lights for Raspberry pi.

Blinking LED:

```
import RPi.GPIO as GP from time import sleep
GP.setwarnings(False)
GP.setmode(GP.BOARD)
GP.setup(8,GP.OUT,initial=GP.LOW)
while True:
GP.output(8, GPIO.HIGH)
print("The LED is ON")
sleep(2)
GP.output(8, GPIO.LOW)
print("The LED is OFF")
sleep(2)
```

Traffic Light Controller:

```
from gpiozero import LED
from time import sleep
red= LED(20)
aster=(39)
green=(42)
 while True:
red.on()
print("Red light is ON")
for i in range(100,0,-1):
print("Remaining time: ",i)
sleep(1)
red.off()
aster.on()
print("Yellow light is ON")
for i in range(5,0,-1):
print("Remaining time: ",i)
 sleep(1)
```

```
aster.off()
green.on
print("Green light is ON")
for i in range(30,0,-1):
print("Remaining time: ",i)
sleep(1)
green.off()
```