

PADMESH G N

PYTHON CODE FOR BLINKING LED;

```
import time
import RPi.GPIO as GPIO ## Import GPIO library
GPIO.setmode(GPIO.BOARD) ## Use board pin numbering
GPIO.setup(11, GPIO.OUT) ## Setup GPIO Pin 11 to OUT
while True:
    GPIO.output(11,True) ## Turn on Led
    time.sleep(1) ## Wait for one second
    GPIO.output(11,False) ## Turn off Led
    time.sleep(1) ## Wait for one second
```

PYTHON CODE FOR TRAFFIC LIGHTS;

```
from gpiozero import Button, TrafficLights, Buzzer
from time import sleep
```

```
buzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25, 8, 7)
```

```
while True:
    button.wait_for_press()
    buzzer.on()
    light.green.on()
    sleep(1)
    lights.amber.on()
    sleep(1)
    lights.red.on()
    sleep(1)
    lights.off()
    buzzer.off()
```