

Nalaiya Thiran

Assignment 3

Team ID	PNT2022TMID17163
Project Name	IoT based safety gadget for Child Safety Monitoring and Notification
TEAM LEADER	DINESH.K
TEAM MEMBERS	DHANUSH.V DHARANIDHARAN.G DHARANI DHARAN.G

Q. Write a python code for blinking LED and Traffic lights for Raspberry pi.

Blinking LED:

```
import RPi.GPIO as GPIO from
time import sleep
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)
while True:
    GPIO.output(8, GPIO.HIGH)
    sleep(1)
    GPIO.output(8, GPIO.LOW)
    sleep(1)
```

Traffic Light:

```
from gpiozero import LED red = LED(22) amber =  
LED(27) green = LED(17) red.blink(1, 1)  
amber.blink(2, 2) green.blink(3, 3)
```