

# NALAIYA THIRAN

## Assignment 3

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| Team ID      | PNT2022TMID17187   |
| Project Name | IoT based safety gadget for Child Safety Monitoring and Notification |

**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)
```