PROBLEM STATEMENT :

IoT based safety gadgetfor child safety monitoring and notification.

DOMAIN:

Internet of Things.

ASSIGNMENT 3 :

Python code for blinking led andtraffic lights for raspberry pi

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1.LED

```
import RPi.GPIO as GPIO
from time import sleep
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOA
RD)
GPIO.setup(8, GPIO.OUT,
```

```
initial=GPIO.LOW)value to low (off)
while True:
GPIO.output(8, GPIO.HIGH)
sleep(1)
GPIO.output(8, GPIO.LOW)
sleep(1)
```

2.TRAFFIC LIGHT

```
from gpiozero import Button, TrafficLights,
Buzzerfrom time import sleep
sound =
Sound(15)
switch
=Switch(21)
Led = TrafficLed(25, 8, 7)
while True:
        button.wait_for_press
        () sound.on()
        led.green.on()
        sleep(1)
        led.amber.on()
        sleep(1)
        led.red.on()
        sleep(1)
        led.off()
        sound.off()
```