PROBLEM STATEMENT :

IoT based safety gadget for child safety monitoring and notification.

DOMAIN:

Internet of Things.

ASSIGNMENT 3 :

Python code for blinking led and traffic 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.BO
A
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

```python
from gpiozero import Button,TrafficLights,
Buzzer from 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()
```