

IoT Based Child Safety Gadgets For Monitoring and Notification
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Assignment – 3

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

```
from gpiozero import Button, LED
```

```
button = Button(21)
```

```
led = LED(25)
```

```
/*while True:
```

```
button.wait_for_press() led.on\(\)
```

```
    button.wait_for_release()
```

```
    led.off\(\)*/
```

```
while True:
```

```
    led.blink\(\)
```

```
button.wait_for_press()
```

```
led.off\(\)
```

```
    button.wait_for_release()
```

```
//#
```

```
from gpiozero import Button, TrafficLights
```

```
lights = TrafficLights(25, 8, 7)
```

```
while True:
```

```
button.wait_for_press()
```

```
    lights.on\(\)
```

```
    button.wait_for_release()
```

```
lights.off\(\)
```

```
while True:
    lights.blink\(\)
    button.wait_for_press()
    lights.off\(\)
    button.wait_for_release()
```

```
from time import sleep
```

```
/* while True:
    lights.green.on\(\)
    sleep(1)
    lights.amber.on\(\)
    sleep(1)    lights.red.on\(\)
    sleep(1)
    lights.off\(\) */
```

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