

BHARATH NIKTEAN ENGINEERING COLLEGE,
AUNDIPATTI
ELECTRONICS AND COMMUNICATION ENGINEERING
IBM NALAIYA THIRAN

TITLE : Hazardous Area Monitoring For Industrial Plant

DOMAIN : IOT

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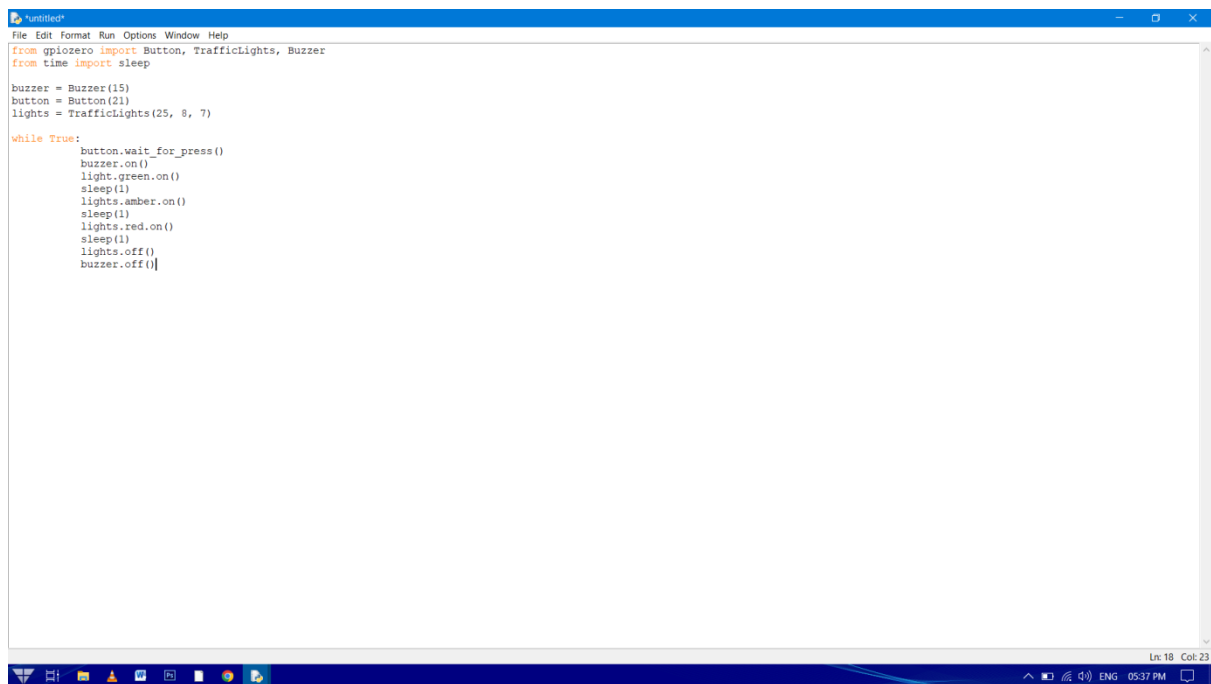
Write python code for blinking LED and traffic lights for raspberry pi

```
from gpiozero import Button, TrafficLights, Buzzer
from time import sleep

buzzer = Buzzer(15)
```

```
button = Button(21)
lights = TrafficLights(25, 8, 7)

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



The screenshot shows a code editor window titled "untitled*" with a menu bar (File, Edit, Format, Run, Options, Window, Help). The code is identical to the first block, but includes an additional import: `from gpiozero import Buzzer`. The code is as follows:

```
from gpiozero import Button, TrafficLights, Buzzer
from time import sleep

buzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25, 8, 7)

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

The status bar at the bottom right indicates "Ln: 18 Col: 23". The Windows taskbar is visible at the very bottom.

