

**Gas Leakage monitoring & Alerting system for  
Industries**

**Assignment-3B**

**TRAFFIC LIGHT**

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Project Name	Gas Leakage monitoring & Alerting system for Industries
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**CODE:**

```
#python
code for
Traffic
Light

import turtle

import time

wn=turtle.getscreen()
wn.title("ASSIGNMENT
3")
wn.bgcolor("black")


pen= turtle.Turtle()
pen.color("Yellow")
pen.width(4)
pen.hideturtle()
pen.penup()
pen.goto(-30, 60)
```

```
pen.pendown()
pen.fd(60)
pen.rt(90)
pen.fd(120)
pen.rt(90)
pen.fd(60)
pen.rt(90)
pen.fd(120)

red_light =turtle.Turtle()

red_light.shape("circle")
    red_light.color("grey")
    red_light.penup()
    red_light.goto(0, 40)
```

```
yellow_light
=turtle.Turtle()

yellow_light.shape("circle")
yellow_light.color("grey")
yellow_light.penup()

yellow_light.goto(0, 0)
```

```
green_light =turtle.Turtle()
green_light.shape("circle")
```

```
    green_light.color("grey")

    green_light.penup()

    green_light.goto(0, -40)
```

```
while True:
```

```
yellow_light.color("grey")
```

```
red_light.color("red")
```

```
print("Red light Blinked -
```

```
Now vehicle Stop behind
```

```
zebra cross..")
```

```
print("Blink!!")
```

```
time.sleep(2)
```

```
print("Blink!!")
```

```
red_light.color("grey")
```

```
green_light.color("green")
```

```
print("Green light on- Now vehicle can  
go..")
```

```
print("Blink!!")
```

```
time.sleep(3)
```

```
print("Blink!!")
```

```
yellow_light.color("yellow")
```

```
print("Yellow light  
Blinked- Now vehicle  
Ready to go..")
```

```
print("Blink!!")
```

```
time.sleep(1)
```

```
print("Blink!!")
```

```
wn.mainloop()
```

## OUTPUT:

```
blink!!
each (Ctrl+Shift+F) Now vehicle can go..
blink!!
blink!!
Yellow light Blinked- Now vehicle Ready to go..
blink!!
blink!!
Red light Blinked - Now vehicle Stop behind zebra cross..
blink!!
blink!!
Green light on- Now vehicle can go..
blink!!
blink!!
Yellow light Blinked- Now vehicle Ready to go..
blink!!
blink!!
Red light Blinked - Now vehicle Stop behind zebra cross..
blink!!
Green light on- Now vehicle can go..
blink!!
blink!!
Yellow light Blinked- Now vehicle Ready to go..
blink!!
blink!!
Red light Blinked - Now vehicle Stop behind zebra cross..
blink!!
Green light on- Now vehicle can go..
blink!!
blink!!
Yellow light Blinked- Now vehicle Ready to go..
blink!!
blink!!
Red light Blinked - Now vehicle Stop behind zebra cross..
blink!!
Green light on- Now vehicle can go..
blink!!
blink!!
Yellow light Blinked- Now vehicle Ready to go..
blink!!
```

