

IBM PROJECT

ASSIGNMENT 3

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1) Traffic light

```
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()  
    lights.green.on()  
    sleep(1)  
    lights.amber.on()  
    sleep(1)  
    lights.red.on()  
    sleep(1)  
    lights.off()  
    buzzer.off()  
)
```

2)blinking light

```
import RPi.GPIO
```

```
as GPIO from time
```

```
import sleep
```

```
GPIO.setwarnings(Fal
```

```
se)
```

```
GPIO.setmode(GPIO.
```

```
BOARD)
```

```
GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)
```

```
while True:
```

```
GPIO.output(8, GPIO.HIGH)
```

```
sleep(1)
```

```
GPIO.output(8, GPIO.LOW)
```

```
sleep(1)
```

