

WRITE PYTHON CODE FOR BLINKING LED AND TRAFFIC LIGHTS FOR RASPBERRY PI

PYTHON CODE:

```
import RPi.GPIO as GPIO
```

```
import time
```

```
ledPin = 22
```

```
def setup():
```

```
    GPIO.setmode(GPIO.BOARD)
```

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

```
    GPIO.setup(ledPin, GPIO.OUT)
```

```
def loop():
```

```
    while True:
```

```
        print("LED on")
```

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

```
time.sleep(1.0)
```

```
print("LED off")
```

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

```
time.sleep(1.0)
```

```
def endprogram():
```

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

```
    GPIO.cleanup()
```

```
if(name == 'main'):
```

```
    setup()
```

```
try:
```

```
    loop()
```

```
except KeyboardInterrupt:
```

```
    endprogram()
```