

#### PROGRAM FOR LED BLINKING:

```
import RPi.GPIO as GPIO # Import Raspberry Pi GPIO library
from time import sleep # Import the sleep function from the time module
GPIO.setwarnings(False) # Ignore warning for now
GPIO.setmode(GPIO.BOARD) # Use physical pin numbering
GPIO.setup(10, GPIO.OUT) # Set pin 8 to be an output pin
while True:
    GPIO.output(10,True) # led is on
    sleep(2000) #sleep for 2000 seconds
    GPIO.output(10,False) #led is off
    sleep(2000) #sleep for 2000 seconds
```

#### PROGRAM FOR TRAFFIC LIGHT :

```
import RPi.GPIO as LED
from time import sleep
LED.setmode(LED.BOARD)
LED.setup(2,LED.OUT)
LED.setup(3,LED.OUT)
LED.setup(5,LED.OUT)
```

```
red =LED(2)
yellow=LED(3)
green=LED(5)
```

```
while True:
    LED.output(red,True)
    sleep(2000)
    LED.output(red,False)
```

sleep(2000)

LED.output(yellow,True)

sleep(2000)

LED.output(yellow,False)

sleep(2000)

LED.output(green,True)

sleep(2000)

LED.output(green,False)

sleep(2000)