

ASSIGNMENT-03

LED Blinking

```
import RPi.GPIO as GPIO

import time

GPIO.setmode (GPIO.BOARD)

GPIO.setup(11,GPIO.out)

GPIO.output(11,1)

time.sleep(1)

GPIO.output(11,0)

time.sleep(1)

GPIO.output(11,1)

time.sleep(1)

GPIO.output(11,0)

time.sleep(1)

GPIO.cleanup()
```

Traffic light

```
import RPi.GPIO as GPIO

import time


GPIO.setmode(GPIO.BOARD)


red=7

yellow=11
```

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green=13

GPIO.setup(red,GPIO.OUT)

GPIO.setup(yellow,GPIO.OUT)

GPIO.setup(green,GPIO.OUT)

while True:

GPIO.output(red,True)

sleep(3)

GPIO.output(red,False)

GPIO.output(yellow,True)

sleep(1)

GPIO.output(yellow,False)

GPIO.output(green,True)

sleep(3)

GPIO.output(green,False)

GPIO.cleanup()