

ASSIGNMENT

1) PYTHON CODE FOR BLIKING OF LED :

```
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BCM)

cnt=0
MAIL_CHECK_FERQ=1
RED_LED=4
GPIO.setup(RED_LED,GPIO.OUT)
while True:
    if cnt==0:
        GPIO.Output(RED_LED,Flase)
        cnt=1
    else:
        GPIO.output(RED_LED,True)
        cnt=0

time.sleep(MAIL_CHECK_FREQ)
GPIO.cleanup()
```

2) PYTHON CODE FOR TRAFFIC LIGHT :

```
import RPi.GPIO as GPIO
from time import sleep
GPIO.setmode(GPIO.BOARD)
red=7
Yellow=11
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,Flase)

    GPIO.Output(yellow, True)
    Sleep (1)
    GPIO.Output(yellow,Flase)

    GPIO.Output(green,True)
    Sleep(3)
    GPIO.Output(green,Flase)
GPIO.cleanup()
```