CODE -BLINKING LED FOR RASPBERRY PI

```python
import RPi.GPIO as GPIO

ledPin = 22

def setup():
GPIO.setmode(GPIO.BOARD)
GPIO.setup(ledPin, GPIO.OUT)
GPIO.output(ledPin, GPIO.LOW)
def loop():
while True:
print 'LED STARTS BLINKING'
GPIO.output(ledPin, GPIO.HIGH)
time.sleep(1.0)

print 'LED STOPS BLINKING'
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()
```

CODE -TRAFFIC LIGHTS FOR RASPBERRY PI

```python
import RPi.GPIO as GPIO
import time

GPIO.setmode(GPIO.BCM)
GPIO.setwarnings(False)
GPIO.setup(4, GPIO.IN, pull_up_down = GPIO.PUD_DOWN)
GPIO.setup(17, GPIO.OUT, initial = GPIO.HIGH)
GPIO.setup(27, GPIO.OUT, initial = GPIO.HIGH)
GPIO.setup(18, GPIO.OUT, initial = GPIO.HIGH)
GPIO.setup(22, GPIO.OUT, initial = GPIO.LOW)

x = 1
try:
while True:
if(GPIO.input(4) == True):
while(x == 1):
GPIO.output(17, GPIO.LOW)
GPIO.output(22, GPIO.HIGH)
time.sleep(2)
GPIO.output(22, GPIO.LOW)
GPIO.output(27, GPIO.LOW)
time.sleep(3)
GPIO.output(17, GPIO.HIGH)
GPIO.output(27,GPIO.HIGH)
GPIO.output(18, GPIO.LOW)
time.sleep(5)
GPIO.output(18, GPIO.HIGH)
time.sleep(2)
except Exception as ex:
print("error ",ex)
finally:
GPIO.cleanup()
```