

1) LED BLINKING

Import RPi.GPIO as GPIO

From time import sleep

GPIO.setwarnings(False) GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)

While True: GPIO.output(8, GPIO.HIGH) Print("The LED is ON")

Sleep(5)

GPIO.output(8, GPIO.LOW)

Print("The LED is OFF")

Sleep(5)

2) Traffic light

from gpiozero import LED from time import sleep

red= LED(17)

amber=(22)

green=(27)

while True:

red.on()

#RED light

print("Red light is ON")

for i in range(60,0,-1):

print("Remaining time: ",i)

sleep(1)

red.off()

amber.on()

AMBER light

print("Yellow light is ON")

for i in range(5,0,-1):

print("Remaining time: ",i)

sleep(1)

amber.off()

green.on

#GREEN light

print("Green light is ON")

for i in range(40,0,-1):



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print("Remaining time: ",i)
sleep(1)
green.off()
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