Project Name	-	Signs with smart connectivity for better Road safety
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Question:

WritepythoncodeforblinkingLEDandTrafficlightsforRaspberrypi.

BlinkingLed:

```
importRPI.GPIOasGPIO

fromtimeimportsleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(7,GPIO.OUT,initial=GPIO.LOW)

whileTrue:

GPIO.output(7,GPIO.HIGH)
```

```
print("LEDon")

sleep(1)

GPIO.output(7,GPIO.LOW)

print("LEDoff")

sleep(1)

TrafficLight:

importRPi.GPIOasGPIO

importtime

try:

deflightTraffic(led1,led2,led3,delay):

GPIO.output(led1,1)Print("GREEN")time.sleep(delay)

GPIO.output(led1,0)

GPIO.output(led2,1)Print("YELLOW")
```

time.sleep(delay)

GPIO.output(led2,0)GPIO.output(led3,1)

Print("RED")time.sleep(delay)

OGPIO.output(led3,0)

GPIO.setmode(GPIO.BCM)button19

GPIO.setup(button,GPIO.IN,pull_up_down-GPIO.PUD_UP)

ledGreen-16

ledYellow12

ledRed-23

GPIO.setup(ledGreen,GPIO.OUT)

GPIO.setup(ledYellow,GPIO.OUT)

GPIO.setup(ledRed,GPIO.OUT)whileTrue:

```
input_state=GPIO.input(button)

ifinputstate-False:

print('ButtonPressed')lightTraffic(ledGreen,ledYellow,ledRed,1)
else:

GPIO.output(ledGreen,0)

GPIO.output(ledYellow,0)GPIO.output(ledRed,0)

exceptKeyboardInterrupt:

print"You'veexitedtheprogram"

finally:

GPIO.cleanup()
```