

### ASSIGNMENT 3

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#### **Python code for blinking LED using Raspberry pi**

```
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)
    sleep(1)
    GPIO.output(8, GPIO.LOW)
    Sleep(1)
```

#### **Python code for Traffic Lights using Raspberry pi**

```
from gpiozero import LED
from time import sleep
red = LED(22)
amber = LED(27)
green = LED(17)
while True:
    red.on()
    sleep(1)
    amber.on()
    sleep(1)
    green.on()
    sleep(1)
```

red.off()

sleep(1)

amber.off()

sleep(1)

green.off()