ASSIGNMENT 3

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Python code for blinking LED using Raspberry pi

```python
import RPi.GPIO as GPIO
import time
 pin = 7
delay = 1
GPIO.setmode(GPIO.BOARD)
GPIO.setup(pin, GPIO.OUT)
ck = 1
while ck == 1:
    GPIO.output(pin, GPIO.HIGH)
    time.sleep(delay)
    GPIO.output(pin, GPIO.LOW)
 GPIO.cleanup()
```

Python code for Traffic Lights using Raspberry pi

```python
from gpiozero import LED
from time import sleep
light = TrafficLight(12,4,9)
while True:
    light.green.on()
    sleep(1)
    light.amber.on()
    sleep(1)
    light.red.on()
```

```
sleep(1)
light.off()
```