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IOT ASSIGNMENT-3

Write a python code for blinking LED and Traffic lights for Raspberry pi.

CODE:

RASPBERRY PI LED BLINK:

```python
import RPi.GPIO as GPIO

import time

GPIO.setmode(GPIO.BCM)

GPIO.setwarnings(False)

GPIO.setup(18,GPIO.OUT) print

("LED on")

GPIO.output(18,GPIO.HIGH)

time.sleep(1) print ("LED

off")

GPIO.output(18,GPIO.LOW)
```

CODE:

RASPBERRY PI FOR TRAFFIC LIGHT:

```python
import RPi.GPIO as GPIO
import time import signal
import sys
GPIO.setmode(GPIO.BCM)
GPIO.setup(9, GPIO.OUT)
GPIO.setup(10, GPIO.OUT)
GPIO.setup(11, GPIO.OUT)
def allLightsOff(signal, frame):
GPIO.output(9, False)
    GPIO.output(10, False)
    GPIO.output(11, False)    GPIO.cleanup()
sys.exit(0) signal.signal(signal.SIGINT,
allLightsOff)while True:
    GPIO.output(9, True)
time.sleep(3)
    GPIO.output(10, True)
time.sleep(1)
```

```python
    GPIO.output(9, False)
    GPIO.output(10, False)
GPIO.output(11, True)
time.sleep(5)
    GPIO.output(11, False)
GPIO.output(10, True)
time.sleep(2)
    GPIO.output(10, False)
```