

ASSIGNMENT 3

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Python code for blinking LED using Raspberry pi

```
import RPi.GPIO as GPIO  import time
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(12,  GPIO.OUT)
while True:
    GPIO.output(12, True)
time.sleep(0.5)
GPIO.output(12,  False)
time.sleep(0.5)
```

Python code for Traffic Lights using Raspberry pi

```
import RPi.GPIO as GPIO  from time import sleep
GPIO.setmode(GPIO.BOARD)  red=7 yellow=11
green=13
GPIO.setup(red, GPIO.OUT)
GPIO.setup(yellow, GPIO.OUT)
GPIO.setup(green,  GPIO.OUT)
While True:
    GPIO.output(red, True)
    sleep(3)
    GPIO.output(red,  False)
GPIO.output(yellow,  True)
sleep(3)
```

```
GPIO.output(yellow, False)
GPIO.output(green, True)    sleep(3)
GPIO.output(green, False)
```