



ASSIGNMENT 3

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(Team Member)

Write Python Code for Blinking LED and Traffic Lights for Raspberry pi

LED Blinking Python Code

```
import RPi.GPIO as GPIO

import time ledPin = 22

def setup():

    GPIO.setmode(GPIO.BOARD)

    GPIO.setup(ledPin,

GPIO.OUT)

    GPIO.output(ledPin,
```

GPIO.LOW)

def loop():

while True: print

'LED on'

GPIO.output(ledPin,

GPIO.HIGH)

```

        time.sleep(1.0)

        print 'LED

        off'

        GPIO.output(ledPin,

        GPIO.LOW)time.sleep(1.0)

def endprogram():

    GPIO.output(ledPin,

    GPIO.LOW)GPIO.cleanup()

if __name__ == ' main

    ': setup() try: loop()

except KeyboardInterrupt:

endprogram()

```

Traffic Light Python Code from

gizero import

LEDfrom time

import sleep

red=LED(17)

yellow=LED(2

2)

green=LED(2

7) While True:

 red.on()

 sleep(15)

 red.off() sleep(1)

 yellow.on()

 sleep(10)

 yellow.off()

 sleep(1)

 green.on()

 sleep(10)

 green.off()

 sleep(1)

