

Assignment -3

Assignment Date	26 September 2022
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Question-1:

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

Python Code:

LED blinking code:

```
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)
```

TRAFIC LIGHT code:

```
from gpiozero import LED

from time import sleep

red = LED(22)

yellow = LED(27)

green = LED(17)

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)