

### 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)