

# ASSIGNMENT 3

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AIM:

Build a Raspberry Pi code for blinking LED and Traffic light.

SOFTWARE REQUIRED:

Raspberry Pi

Raspberry Pi CODE:

```
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BCM)
# Green LED
GPIO.setup(20, GPIO.OUT)
# Yellow LED
GPIO.setup(26, GPIO.OUT)
# Red LED
GPIO.setup(21, GPIO.OUT)
try: while
True:
```

```
GPIO.output(21, GPIO.HIGH)
print("Red")    time.sleep(4)
GPIO.output(21, GPIO.LOW)
GPIO.output(26, GPIO.HIGH)
print("Yellow") time.sleep(4)
GPIO.output(26, GPIO.LOW)
GPIO.output(20, GPIO.HIGH)
print("Green")  time.sleep(4)
print("-----")
GPIO.output(20, GPIO.LOW)
finally:
GPIO.cleanup()
```