

ASSIGNMENT 3

AIM:

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

SOFTWARE REQUIRED:

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(
)
```