

ASSIGNMENT 3

Student Name	<u>Abinaya D S</u>
Student Roll Number	962319106003
Maximum Marks	2 marks

write python code for blinking led and traffic lights for 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()
```