ASSIGNMENT 3

PAVITHRA.V

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:
```

```python
        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()
```