

ASSIGNMENT NO.3

NAME : VIGNESH.V

REG.NO : 210219106039

Python code for traffic lights:

CODE:

```
from gpiozero import LED from
time import sleep
lights = TrafficLights(27, 5, 8)
while True:
    light.green.on()
    sleep(1)
    lights.amber.on()
    sleep(1)
    lights.red.on()
    sleep(1) lights.off()
```

Python code for blinking of LED light:

CODE:

```
import RPi.GPIO as GPIO
import time

LED_PIN = 15

GPIO.setmode(GPIO.BCM)
GPIO.setup(LED_PIN, GPIO.OUT)

while true:
    GPIO.output(LED_PIN, GPIO.HIGH)
    time.sleep(1) GPIO.output(LED_PIN,
GPIO.LOW)
    time.sleep(1)
    GPIO.cleanup()
```