

ASSIGNMENT 3

NAME : **DHIVAKAR.S**
ROLL NO : **211419106071**

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()
```

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()
```