# ASSIGNMENT-3

**TEAM ID : PNT2022TMID48188**
**NAME     : RAGUL R**
**ROLL NO : 912719106002**

## Python code for blinking LED

**Program:**

```
import Rpi.GPIO as GPIO

 import time

LED_PIN=17

GPIO.setmode.e(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()
```

## Traffic light

```
 From gpiozero import Button, TrafficLights, Buzzer

from time import sleep

buzzer = Buzzer(15)

button = Button(21)

lights = TrafficLights(25, 8, 7)
```

```python
while True:
    button.wait_for_press()
    buzzer.on()
    light.green.on()
    sleep(1)
    lights.amber.on()
    sleep(1)
    lights.red.on()
    sleep(1)
    lights.off()
    buzzer.off()
```