

### **ASSIGNMENT 3 : BLINKING OF LED AND TRAFFIC LIGHTS FOR RASPBERRY Pi**

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TEAM ID	PNT2022TMID18589
STUDENT NAME	Varunapriya.N
REG:NO	1919102176
MARKS	2 MARKS

#### **CODE:**

```
import time
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11, GPIO.OUT)
while True:
    GPIO.output(11,True)
    time.sleep(1)
    GPIO.output(11,False)
    time.sleep(1)
from gpiozero import Button, TrafficLights, Buzzer
buzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25, 8, /)
while True:
    button.wait_for_press()
    light.green.on()
    sleep(1)
    lights.amber.on()
    sleep(1)
    lights.red.on()
    sleep(1)
    lights.off()
    while True:
        lights.on()
        buzzer.off()
    button.wait_for()
    lights.off()
    buzzer.on()
    button.wait_for_release()
    while True:
        lights.blink()
        buzzer.beep()
    button.wait_for_press()
    lights.off()
    buzzer.off()
    button.wait_for_release()
```