

TEAM ID : PNT2022TMID07177

TEAM MEMBER : PRABU N

ASSIGNMENT 3

Write a python code for blinking LED and traffic lights for raspberry pi.

Code for Blinking LED :

```
import RPi.GPIO as GPIO
import time
LED = 40
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(LED,GPIO.OUT)
While True:
    GPIO.output(LED,GPIO.HIGH)
    Time.sleep(1)
    GPIO.output(LED,GPIO.LOW)
    Time.sleep(1)
```

Code for Traffic lights :

```
from gpiozero import Button,Trafficlights,Buzzer
from time import sleep

buzzer = Buzzer(15)
button = Button(21)
lights = Trafficlights(25,8,7)

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()
```