A)Write a python program to blink an LED in Raspberry Pi.

```
import RP1.GPIO as GP10
import time

GPIO.setmode(GPIO.BOARD)
GPIO.setup(7, GPIO.OUT) #GreenLED
GPIO.setup(11, GPI0.OUT)#Yellow LED
GPIO.setup(13, GPI0.OUT) #RedLED
GPI0.setup(15,
GP10.IN,pull_up_down=GPIO.PUD_UP)
#Button
def turn_on(pin, seconds):
    GPIO.output(pin,GPIO.HIGH)
    time. sleep(seconds)
def turn_off (pin, seconds):
     GPIO.output(pin, GPIO.LOW)
     time.sleep(seconds)
```

```
try:
    while True:
      button_ state =GPIO. input(15)
      if button_state== True:
        turn_on(13,2)
        turn_off(13,.1)
        turn_on(7,4)
        turn_off(7,.11)
        turn_on(11,1)
        turm_off(11,1)
    else:
        if button_state== False:
          GPI0.output (7,GPIO.LOW)
          GPIO.output (11,GPIO.LOW)
          GP10.output(13,GPIO.LOW)
          time.sleep(.1)
except KeyboardInterrupt:
    GPIO.cleanup()
    print("Traffic Light Sequence
```

Done")

B) Write a python code for blinking Traffic lights for Raspberry Pi.

```
from gpiozero import Button, TrafficLights

from time import sleep

button = Button(21)

lights = TrafficLights(25, 8, 7)

        while True:

            button.wait_for_press()

             light.green.on()
```

```
sleep(1)

 lights.amber.on()

sleep(1)

lights.red.on()

sleep(1)

 lights.off()
```