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ASSIGNMENT-3

Write python code for blinking LED and Traffic lights for Raspberry pi.

Only python code is enough, no need to execute in Raspberry pi.

CODE:-
TrafficLightcontrol:-

```
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()
    lights.green.on()
    sleep(1)
    lights.amber.on()
    sleep(1)
    lights.red.on(1)
     sleep(1)
     lights.off()
```

```
        buzzer.off()
```

Blinking Led:- import RPi.GPIO as GPIO # Import Raspberry Pi GPIO library from time import sleep # Import the sleep function from the time module

```
GPIO.setwarnings(False)                          #Ignore warning for
nowGPIO.setmode(GPIO BOARD)            #Use physical pin
numbering
GPIO.setup(8,GPIO.OUT,initial=GPIO.LOW)            #Set pin 8
tobe an output
pin and set initial value to low(off) While True:            #Run
forever

GPIO.output(8,GPIO.HIGH)            #Turn
on sleep(1) #Sleep for 1 second
GPIO.output(8,GPIO.LOW)            #Turn
offsleep(1)#Sleep for 1 second
```