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ASSIGNMENT 3:

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

```
From gpiozero import Button button = Button(21)  while True:
    print(button.is_pressed)
while True:      if
button.is_pressed:
print("Hello")      else:
print("Goodbye") while True:
    button.wait_for_press()
print (" Pressed)
button.wait_for_release()
print("Released") from gpiozero
import Button, LED led = LED(25)
while True:
button.wait_for_press()
    led.on()
button.wait_for_release()
    led.off()
while True:
  led.blink()
button.wait_for_press()
  led.off()      button.wait_for_release()
from gpiozero import Button, TrafficLights
lights = TrafficLights(25, 8, 7) while True:
button.wait_for_press()
   lights.on()
button.wait_for_release()
```

```
    lights.off()
while True:

    lights.blink()
button.wait_for_press()

    lights.off()    button.wait_for_release() from
gpiozero import Button, TrafficLights, Buzzer
buzzer = Buzzer(15) while True:

    lights.on()
buzzer.off()
button.wait_for_press()

  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()
from time import sleep
while True:

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

```
sleep(1)    lights.red.on()

sleep(1)    lights.off()
```