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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()

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    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()

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sleep(1) lights.red.on()

sleep(1) lights.off()