

fromgpiozeroimport Button button= Button(21) whileTrue: print(button.is\_pressed) whileTrue: ifbutton.is\_pressed: print("Hello")

else: print("Goodbye") whileTrue:

button.wait\_for\_press() print("Pressed") button.wait\_for\_release()

print("Released")

fromgpiozeroimport Button button= Button(21) whileTrue: print(button.is\_pressed) whileTrue: ifbutton.is\_pressed: print("Hello")

else: print("Goodbye") whileTrue:

button.wait\_for\_press() print("Pressed") button.wait\_for\_release() print("Released")

# Add an LED

fromgpiozeroimport Button, LED led= LED(25)

whileTrue: button.wait\_for\_press() led.on() button.wait\_for\_release() led.off()

whileTrue: led.on()

button.wait\_for\_press() led.off() button.wait\_for\_release() whileTrue:

led.blink() button.wait\_for\_press() led.off() button.wait\_for\_release()

fromgpiozeroimport Button, LED led= LED(25)

whileTrue: button.wait\_for\_press() led.on() button.wait\_for\_release() led.off()

whileTrue: led.on()

button.wait\_for\_press() led.off() button.wait\_for\_release() whileTrue:

led.blink() button.wait\_for\_press() led.off() button.wait\_for\_release()

Traffic lights

fromgpiozeroimport Button, TrafficLights lights=TrafficLights(25, 8, 7)

whileTrue: button.wait\_for\_press() lights.on() button.wait\_for\_release() lights.off()

whileTrue: lights.blink()

button.wait\_for\_press() lights.off() button.wait\_for\_release()

fromgpiozeroimport Button, TrafficLights lights=TrafficLights(25, 8, 7) whileTrue:

button.wait\_for\_press() lights.on() button.wait\_for\_release() lights.off()

whileTrue: lights.blink() button.wait\_for\_press() lights.off()

button.wait\_for\_release()

# Traffic lights sequence

from time import sleep whileTrue: lights.green.on() sleep(1) lights.amber.on() sleep(1)

lights.red.on() sleep(1) lights.off() whileTrue:

button.wait\_for\_press() lights.green.on() sleep(1) lights.amber.on() sleep(1)

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

from time import sleep whileTrue: lights.green.on() sleep(1) lights.amber.on() sleep(1) lights.red.on() sleep(1)

lights.off() whileTrue: button.wait\_for\_press() lights.green.on() sleep(1) lights.amber.on() sleep(1) lights.red.on() sleep(1)

lights.off()