IBM ASSIGNMENT – 3

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1. Python code for blinking LED
2. Python code for Traffic lights

Both for Raspberry pi

1. LED Blinking

from gpiozero import Button, LED

led = LED(25)

button = Button(21)

while True:

button.wait\_for\_press()

led.on()

print("Pressed")

button.wait\_for\_release()

led.off()

1. Traffic lights control

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()

light.green.on()

sleep(1)

lights.amber.on()

sleep(1)

lights.red.on()

sleep(1)

lights.off()

buzzer.off()