

IBM ASSIGNMENT 3

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Program for LED interface with Raspberry pi:

```
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()
    print("Released")
```

Program for 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()