Assignment 3

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| **Component** | **GPIO pins** |
| Button | 21 |
| Red LED | 25 |
| Yellow LED | 8 |
| Green LED | 7 |
| Buzzer | 15 |

Python code for blinking LED and traffic light for raspberry pi :

from gpiozero import LED led = LED(17)

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()