# Assignment – 3

*python code for blinking LED and Traffic lights*

from gpiozero import Button, LED button = Button(21)

led = LED(25)

/\*while True: button.wait\_for\_press() [led.on](http://led.on/)() button.wait\_for\_release() [led.off](http://led.off/)()\*/

while True: [led.blink](http://led.blink/)()

button.wait\_for\_press() [led.off](http://led.off/)() button.wait\_for\_release()

//#

from gpiozero import Button, TrafficLights lights = TrafficLights(25, 8, 7)

while True: button.wait\_for\_press() [lights.on](http://lights.on/)() button.wait\_for\_release() [lights.off](http://lights.off/)()

while True: [lights.blink](http://lights.blink/)()

button.wait\_for\_press() [lights.off](http://lights.off/)() button.wait\_for\_release()

from time import sleep

/\* while True: [lights.green.on](http://lights.green.on/)() sleep(1) [lights.amber.on](http://lights.amber.on/)() sleep(1) [lights.red.on](http://lights.red.on/)() sleep(1) [lights.off](http://lights.off/)() \*/

while True: button.wait\_for\_press() [lights.green.on](http://lights.green.on/)() sleep(1) [lights.amber.on](http://lights.amber.on/)() sleep(1)

[lights.red.on](http://lights.red.on/)() sleep(1) [lights.off](http://lights.off/)()