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Maximum marks	2 Marks

Question-1:

Write python code for blinking LED and Traffic lights for Raspberry pi.

Solution:

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 interface with Raspberry pi:
From gpiozero import LED from time import sleep

```
red = LED(22)
amber = LED(27)
green  = LED(17)
while True:
    red.on()
    sleep(1)
    amber.on()
    sleep(1)
    green.on()
    sleep(1)
    red.off()
    sleep(1)
    amber.off()
    sleep(1)
    green.off()
```