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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()
```