Assignment Date	October 5, 2022
Student Name	KOWSALYA P
Student Roll Number	73771913136
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()
```