Assignment -3
Python Programming

Assignment Date	6 October 2022
Student Name	Cauvery S
Student Roll Number	111919106004
Maximum Marks	2 Marks

Question-1: Write a python code for blinking LED and Traffic lights for Raspberry pi.

Soln:

```python
import RPi.GPIO as GPIO
from time import sleep
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(6, GPIO.OUT,initial=GPIO.LOW)
while True:
    GPIO.output(6,GPIO.HIGH)
    sleep(1)
    GPIO.output(6,GPIO.LOW)
    sleep(1)


from gpiozero import led
from time import sleep
red = led(22)
amber = led(25)
green = led(17)
while True:
    red.on()
    sleep(3)
    amber.on()
    sleep(1)
    green.on()
    sleep(3)
    red.off()
    sleep(3)
    amber.off()
    sleep(1)
    green.off()
```