Assignment -3
Python Programming

Assignment Date	6 October 2022
Student Name	D.Swetha
Student Roll Number	912019104030
Maximum Marks	2 Marks

Question-1:

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

Solution:

For Blinking LED

```python
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BCM)
GPIO.setwarnings(False)
GPIO.setup(18,GPIO.OUT)
print "LED on"
GPIO.output(18,GPIO.HIGH)
time.sleep(1)
print "LED off"
GPIO.output(18,GPIO.LOW)
```

For Traffic Light

```python
from gpiozero import LED
from time import sleep
red = LED(22)
amber = LED(27)
green = LED(17)
red.on()
sleep(1)
amber.on()
sleep(1)
green.on()
sleep(1)
```