Assignment -3
python Programming

Assignment Date	09 october 2022
Student Name	G.Harini
Student Roll Number	821219104008
Maximum Marks	2 Marks

Question-1:

Write a python code for blinking LED and traffic lights for Raspberry pi.

Solution:

```
 import time
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11, GPIO.OUT)
while True:
        GPIO.output(11,True)
  time.sleep(5)
  GPIO.output(11,False)
  time.sleep(5)




//from gpiozero import Button, TrafficLights, Buzzer
from gpiozero import TrafficLights
from time import sleep

//buzzer = Buzzer(15)
//button = Button(21)
lights = TrafficLights(25, 8, 7)

while True:
        //button.wait_for_press()
        //buzzer.on()
        light.green.on()
        sleep(5)
        lights.amber.on()
        sleep(5)
        lights.red.on()
        sleep(5)
        lights.off()
        //buzzer.off()
```

blinkenlights.py

```python
import RPi.GPIO as gpio
import time
import sys

impstart = time.time()



# scapy
from scapy.all import *

# threads
import _thread
```

Terminal:

```
harishr@Harishs-MacBook blinkenlights-main % python3 blinkenlight.py


----------- HTTP -----------
----------- SUCCESSFULL -----------
----------- 443 -----------
----------- SUCCESSFULL -----------
------------- DNS detected -------------
----------- SUCCESSFULL -----------
----------- some UDP -----------
----------- SUCCESSFULL -----------

----------- SUCCESSFULLY CONNECTED -----------
```

alerting.py

```python
from gpiozero import TonalBuzzer
from gpiozero.tones import Tone
import time
import sys

import tailer


impstart = time.time()

print('imports ready: %s seconds' % (time.time
() - impstart))
```

Terminal:

```
harishr@Harishs-MacBook blinkenlights-main % python3 alertng.py


----------- SUCCESSFULLY CONNECTED -----------


harishr@Harishs-MacBook blinkenlights-main %
```