

**Assignment -3**  
Python Programming

Assignment Date	03 October 2022
Student Name	N.kirthick
Student Roll Number	920819106025
Maximum Marks	2 Marks

**Question-1:**

Write a python code for blinking LED and Traffic lights for Raspberry pi, Only python code is enough, no need to execute in raspberry pi.

```
from gpiozero import LED
from time import sleep
red= LED(17)
#pin numbers connected to Led's
aster=(22)
green=(27)
while True:
    red.on()          #RED light
    print("Red light is ON")
    for i in range(100,0,-1):
        print("Remaining time: ",i)
        sleep(1)
    red.off()
    aster.on()        # ASTER light
    print("Yellow light is ON")
    for i in range(5,0,-1):
        print("Remaining time: ",i)
        sleep(1)
    aster.off()
    green.on          #GREEN light
    for i in range(30,0,-1):
        print("Green light is ON")
        print("Remaining time: ",i)
        sleep(1)
    green.off()
```