Assignment-3

Assignment date	8th October,2022
Student Name	Gokul Ram S
Roll Number	2019504521
Maximum marks	2 Marks

Question:

Write python code for blinking LED and Traffic lights for Raspberry pi. Only python code is enough, no need to execute in raspberry pi. Note: you are allowed to use web search and complete the assignment.

Code:

################# BLINKING LED PROGRAM #######################

```python
import RPi.GPIO as GPIO

from time import sleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)

while True:
 GPIO.output(8, GPIO.HIGH)
 sleep(1)
 GPIO.output(8, GPIO.LOW)
 sleep(1)
```

################# TRAFFIC LIGHT ######################

```python
from gpiozero import LED

red=LED(22)
```

```
green=LED(25)
amber=LED(8)

while true:
    red.on()
    sleep(2)
    amber.on()
    sleep(2)
    green.on()
    sleep(2)
```