Assignment-3

Assignment Date	07 October 2022
Student Name	V.HARI PRASATH
Student Roll Number	910619106020
Maximum Marks	2 Marks

Question-1:

Write a Python Code for Blinking Led and Traffic Lights for Raspberry Pi

CODE -1

```
from gpiozero import LED

red = LED(22)

amber = LED(27)

red.blink(1, 1)

amber.blink(2, 2)
```

CODE-2:

```
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)

    //lights on and off in sequence

    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)
    red.off()
    sleep(1)
    amber.off()
    sleep(1)
    green.off()

    //while loop
    from gpiozero import LED
    from time import sleep

    red = LED(22)
    amber = LED(27)
```

```python
green = LED(17)

while True:
    red.on()
    sleep(1)
    amber.on()
    sleep(1)
    green.on()
    sleep(1)
    red.off()
    sleep(1)
    amber.off()
    sleep(1)
    green.off()
```