Assignment 3:

SmartFarmer - IoT Enabled Smart Farming Application

Assignment Date	07 October 2022
Student Name	K.Madhava Narayana
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Maximum Marks	2 Marks

Question-1:

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

PROGRAM CODE: blinking led

```
from gpiozero import LED

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


red.blink(1, 1)
amber.blink(2, 2)
```

PROGRAM CODE: Traffic lights

```
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)
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()
```