Assignment -3

SMART WASTE MANAGEMENT SYSTEM

Assignment Date	07 October 2022
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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
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()
```

CODE 2 :

```
from gpiozero import LED

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


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