Assignment -3

Python Programming

Assignment Date	05th October 2022
Student Name	Ms.Santhiya R
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Maximum Marks	2 Marks

Question-1:

Write python code for blinking LED and Traffic Lights for Raspberry pi.

Solution:

- Python code for blinking LED using Raspberry pi.

```
from gpiozero import Button, LED

led = LED(25)

button = Button(21)

while True:

   button.wait_for_press()
   led.on()
   print("Pressed")


   button.wait_for_release()
   led.off()
   print("Released")
```

- Python code for Traffic Lights using Raspberry pi.

```
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()
```