IBM ASSIGNMENT 3

Assignment Date	October 5, 2022
Student Name	S. Vinitha Shree
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Maximum marks	2 Marks

Question-1: Write python code for blinking LED and Traffic lights for Raspberry pi

PROGRAM:

Program for LED interface with Raspberry pi:

```python
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")
```

Program for traffic light interface with Raspberry pi:

```python
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()
```