Assignment -3

Assignment Date	12 October 2022
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Question 1:

Write a python code for led blinking with Raspberry pi.

Code:

```
import RPi.GPIO as
GPIOfrom time
import sleep

GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(12,
GPIO.OUT,initial=GPIO.LOW)while
True:
    GPIO.output(12, GPIO.HIGH)
    sleep(2)
    GPIO.output(12, GPIO.LOW)
    sleep(2)
```

Question – 2:

Write a python code for traffic light with Raspberry pi.

Code:

```
from gpiozero import Button,
TrafficLightsfrom time import sleep

btn = Button(21)
light = TrafficLights(red=23, amber=9, green=11)
```

```python
while True:
    btn.wait_for_active()
    light.on(0)
    sleep(3)
    light.off(0)
    light.on(1)
    sleep(2)
    light.off(1)
    light.on(2)
    sleep(3)
    light.off(2)
```