Assignment 3: Python code for blinking LED and Traffic Lights for Raspberry Pi.

Assignment date	07 October 2022
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Max marks	2

 # Blink an LED

```
import RPi.GPIO as gpio

from time import sleep

gpio.setwarnings(False)

gpio.setmode(GPIO.BOARD)

gpio.setup(10, GPIO.OUT, initial=GPIO.LOW)

while True:

        gpio.output(10, GPIO.HIGH)

        sleep(1) gpio.output(10, GPIO.LOW)

        sleep(1)
```

```python
# Traffic Light

import RPi.GPIO as gpio

from time import sleep

gpio.setwarnings(False)

gpio.setmode(GPIO.BOARD)

gpio.setup(30, GPIO.OUT, initial=GPIO.LOW) # Red

gpio.setup(31, GPIO.OUT, initial=GPIO.LOW) # Yellow

gpio.setup(32, GPIO.OUT, initial=GPIO.LOW) # Green

while True:
        gpio.output(30, GPIO.HIGH)

        sleep(50)

        gpio.output(31, GPIO.HIGH)

        sleep(5)

        gpio.output(30, GPIO.LOW)

        sleep(5)

        gpio.output(31, GPIO.LOW)

        gpio.output(32, GPIO.HIGH)

        sleep(50)

        gpio.output(32, GPIO.LOW)

        gpio.sleep(1)
```