Assignment -3
Python Programming

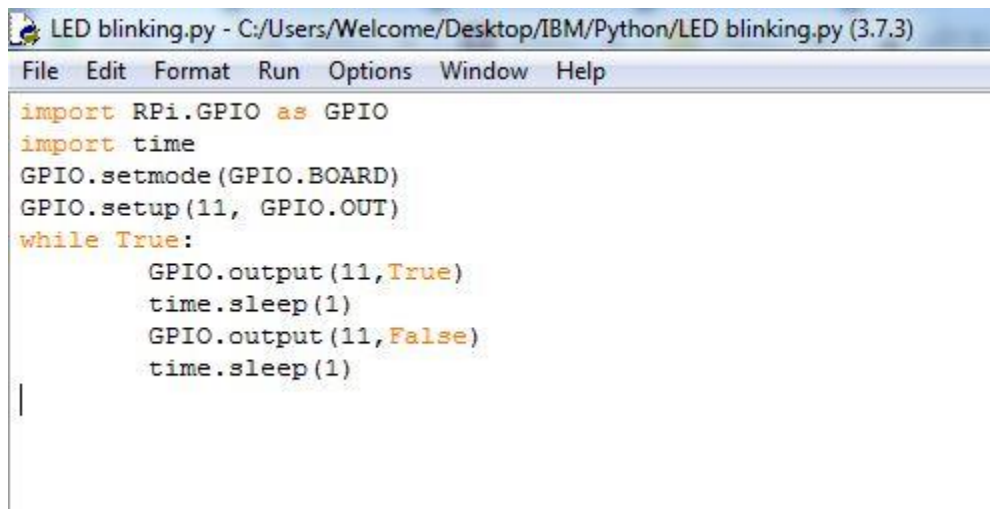| Assignment Date	05 October 2022
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Question:

Write Python code for blinking LED and Traffic lights for Raspberry pi.

Program:

(i)Blinking LED
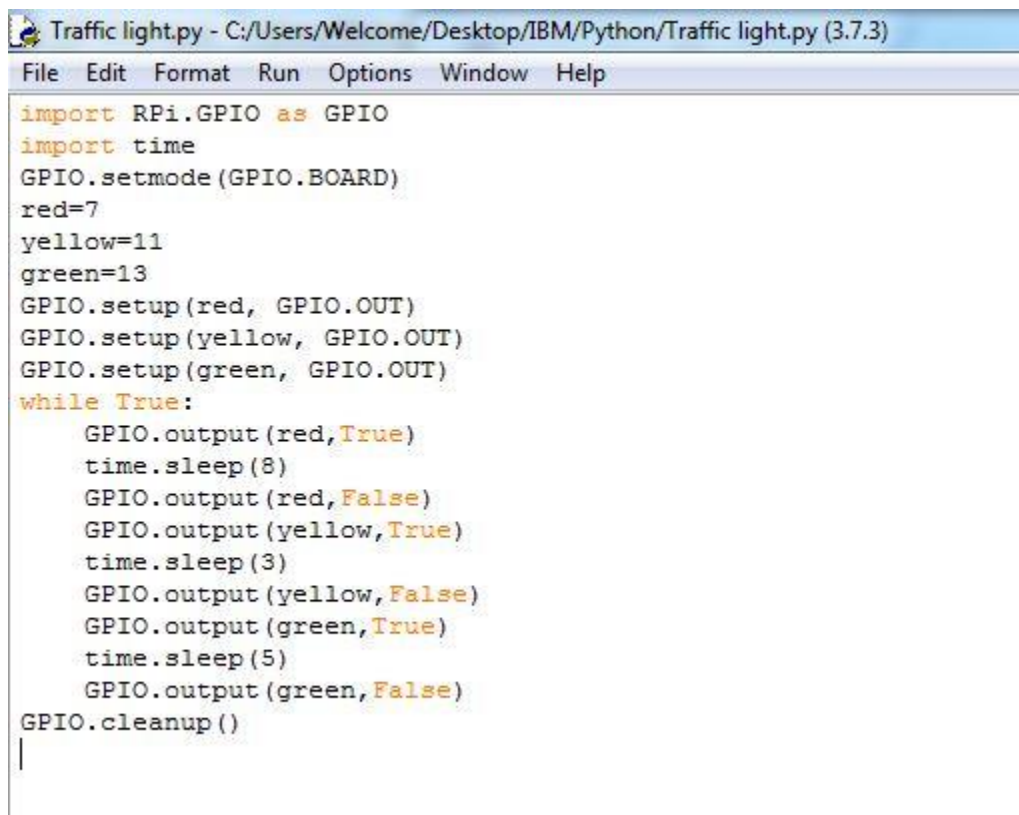
```
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11, GPIO.OUT)
while True:
        GPIO.output(11,True)
        time.sleep(1)
        GPIO.output(11,False)
        time.sleep(1)
```

(ii)Traffic light

```python
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BOARD)
red=7
yellow=11
green=13
GPIO.setup(red, GPIO.OUT)
GPIO.setup(yellow, GPIO.OUT)
GPIO.setup(green, GPIO.OUT)
while True:
        GPIO.output(red,True)
        time.sleep(8)
        GPIO.output(red,False)
        GPIO.output(yellow,True)
        time.sleep(3)
        GPIO.output(yellow,False)
        GPIO.output(green,True)
        time.sleep(5)
        GPIO.output(green,False)
GPIO.cleanup()
```