ASSIGNMENT -3

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

PYTHON CODE

```
import RPi. GPIO as GPIO
from time import sleep
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)
    sleep(3)
    GPIO.output(red, False)
    GPIO.output(yellow, True)
    sleep(1)
    GPIO.output(yellow, False)
    GPIO.output(green, True)
    sleep(3)
    GPIO.output(green, False)
GPIO.cleanup()
```

INPUT

```python
# import raspberry pi GPIO module
import RPi.GPIO as GPIO
from time import sleep

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)
    sleep(3)
    GPIO.output(red, False)
    GPIO.output(yellow, True)
    sleep(1)
    GPIO.output(yellow, False)
    GPIO.output(green, True)
    sleep(3)
    GPIO.output(green, False)
GPIO.cleanup()
```

OUTPUT

Red=7
Yellow=11
Green=13