IBM - NALAYA THIRAN PROJECT

ASSIGNMENT -3

TITLE: Signs with Smart Connectivity for Better Road Safety

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QUESTION:

Write Python code for Blinking LED and Traffic Lights for Raspberry Pi. Only the Python code is enough and need not to execute it in the board.

SOURCE CODE:

```
import time
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11, GPIO.OUT)
GPIO.setup(12, GPIO.OUT)
GPIO.setup(13, GPIO.OUT)
while True:
        GPIO.output(11,True)  ## Turn on redLed
        time.sleep(1)         ## Wait for one second
        GPIO.output(11,False) ## Turn off redLed
        time.sleep(1)         ## Wait for one second
        GPIO.output(12,True)  ## Turn on yellowLed
```

```
time.sleep(1)        ## Wait for one second
GPIO.output(12,False) ## Turn off yellowLed
time.sleep(1)        ## Wait for one second
GPIO.output(13,True)  ## Turn on greenLed
time.sleep(1)        ## Wait for one second
GPIO.output(13,False) ## Turn off greenLed
time.sleep(1)        ## Wait for one second
```