

DMI ENGINEERING COLLEGE
ARALVOIMOZHI
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IBM NALAIYA THIRAN
ASSIGNMENT-2

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

Code:

```
import RPi.GPIO as GPIO

import time

import signal

import sys

#setup

GPIO.setmode(GPIO.BCM)

GPIO.setup(9, GPIO.OUT)

GPIO.setup(10, GPIO.OUT)

GPIO.setup(11, GPIO.OUT)

GPIO.output(9,False)

GPIO.output(10,False)

GPIO.output(11,False)

GPIO.cleanup()

sys.exit(0)
```

```
signal.signal(signal.SIGINT,allLightsOff)
```

```
#loop
```

```
While True:
```

```
    #red
```

```
    GPIO.output(9,True)
```

```
    time.sleep(3)
```

```
#red&amber
```

```
GPIO.output(10,True)
```

```
time.sleep(1)
```

```
#green
```

```
GPIO.output(9,False)
```

```
GPIO.output(9,True)
```

```
GPIO.output(11,True)
```

```
time.sleep(5)
```

```
#amber
```

```
GPIO.output(11,False)
```

```
GPIO.output(10,True)
```

```
time.sleep(2)
```

```
#amber off
```

```
GPIO.output(10,False)
```

