

DMI ENGINEERING COLLEGE

ARALVOIMOZHI

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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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)
```

