

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

ASSIGNMENT-3

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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)
```