

DMI ENGINEERING COLLEGE

ARALVOIMOZHI

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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ASSIGNMENT-3

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ANNS A

SARAL N

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.SIGIN
```

```
T,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)
```

