

IBM ASSIGNMENT- 3

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Build a python code. Write python code for blinking LED and Traffic lights for Raspberry pi.

Program:

```
import RPi.GPIO as
```

```
GPIO import time
```

```
import
```

```
signal
```

```
import sys
```

```
GPIO.setmode(GPIO.BC
```

```
M) GPIO.setup(9,
```

```
GPIO.OUT)
```

```
GPIO.setup(10,
```

```
GPIO.OUT)
```

```
GPIO.setup(11,
```

```
GPIO.OUT)
```

```
def allLightsOff(signal,
```

```
frame): GPIO.output(9,
```



False) GPIO.output(10,

False) GPIO.output(11,

False)



```
GPIO.cleanup
```

```
() sys.exit(0)
```

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

```
while True:
```

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

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

```
    GPIO.output(10,
```

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

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

```
    GPIO.output(10,
```

```
    False)
```

```
    GPIO.output(11,
```

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

```
    GPIO.output(11,
```

```
    False)
```

```
    GPIO.output(10,
```

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

```
    GPIO.output(10,
```

```
    False)
```

