

IBM assignment -3

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Python code for blinking LED

```
import RPi.GPIO as IO
```

```
import time
```

```
IO.setmode(IO.BOARD)
```

```
IO.setup(40,IO,out)
```

```
IO.output(40,1)
```

```
Time.sleep(1)
```

```
IO.cleanup(1)
```

```
Time.sleep(1)
```

#loop is executed second time

```
IO.setmode(IO.BOARD)
```

```
IO.setup(40,IO,.OUT)
```

```
IO.output(40,1)
```

```
Time.sleep(1)
```

```
IO.cleanup()
```

```
Time.sleep(1)
```

#loop is executed third time

```
IO.setmode(IO.BOARD)
```

```
IO.setup(40,IO.OUT)
```

```
IO.Output(40,1)
```

```
Time sleep(1)
```

```
IO.cleanup()
```

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

Python code for traffic light

From gpiozero import ttrafficlights

Lights = Ttrafficlights (25,8,7)

While True:

 Light.green.on()

 Sleep(1)

 Lights.amber.on()

 Sleep(1)

 Lights.red.on()

 Sleep(1)

 Lights.off()