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ASSIGNMENT 3:SOLUTION:

TRAFFIC LIGHT CODE:

```
from time import sleep
```

```
while(True):
```

```
    sleep(10)#for red light delay
```

```
    print("Red is on")
```

```
    sleep(8)#for Yellow light delay
```

```
    print("Yellow is on")
```

```
    sleep(15)#for Green light delay
```

```
    print("Green is on")
```

OUTPUT:

Red is on  
Yellow is on  
Green is on  
Red is on  
Yellow is on  
Green is on  
Red is on  
Yellow is on  
Green is on  
Red is on  
Yellow is on  
Green is on  
Red is on  
Yellow is on

## BLINKING LED CODE:

main.py

Run

Shell

```
1 import random
2 from time import sleep
3 while(True):
4     sleep(2)
5     a=random.choice(["ON","OFF"])
6     print(a)
```