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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
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)
```

ON
OFF
OFF
OFF
ON
ON
OFF
ON
OFF
ON
OFF
ON
OFF
ON
OFF
ON
OFF
ON
OFF