IBM -NALAIYA THIRAN

INTERNET OF THINGS

BATCH : B3-3M5E

ASSIGNMENT NO : 3

NAME : NIVEDHA R

ASSIGNMENT QUESTION:
Write python code for blinking LED and Traffic lights for Raspberry pi.

SOFTWARE REQUIRED:
Python-3.7.0

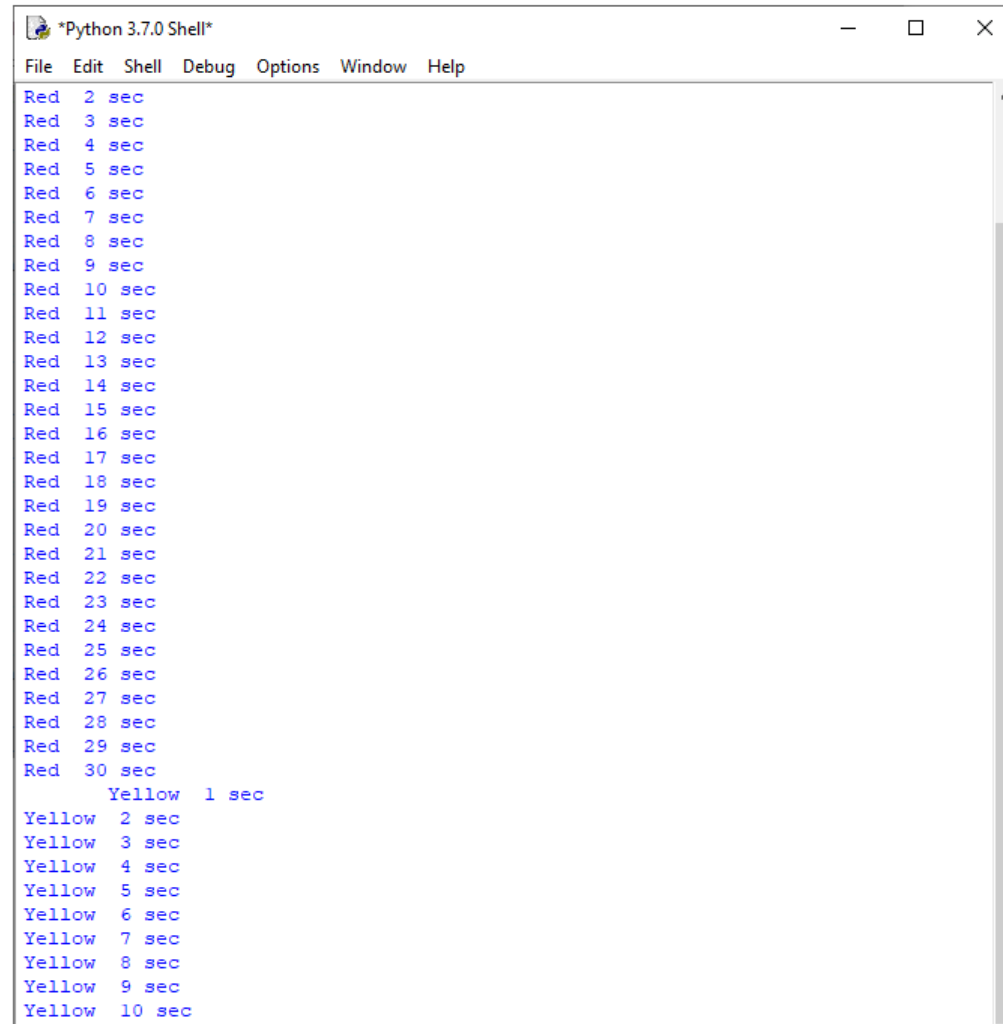## PYTHON CODE:

```
import time
i=1
while(True):
    if(i>0 and i<=30):
        for j in range(1,31):
            print("Red ",end="\n")
            time.sleep(0.5)
            i=i+1
        print(end="        ")
        print(end="\r")
    elif(i>30 and i<=60):
        for j in range(1,31):
```

```python
                print("Yellow ",end="")
                print("{} sec".format(j),end="\n")
                i=i+1
                time.sleep(0.5)
        print(end="        ")
        print(end="\r")
    elif(i>60 and i<=90):
        for j in range(1,31):
                print("Green  ",end="")
                print("{} sec".format(j),end="\n")
                i=i+1
                time.sleep(0.5)
        i=1
        print(end="        ")
        print(end="\r")
```

OUTPUT:

.

```
*Python 3.7.0 Shell*                                        —    □    ×
File  Edit  Shell  Debug  Options  Window  Help
Red   2 sec
Red   3 sec
Red   4 sec
Red   5 sec
Red   6 sec
Red   7 sec
Red   8 sec
Red   9 sec
Red   10 sec
Red   11 sec
Red   12 sec
Red   13 sec
Red   14 sec
Red   15 sec
Red   16 sec
Red   17 sec
Red   18 sec
Red   19 sec
Red   20 sec
Red   21 sec
Red   22 sec
Red   23 sec
Red   24 sec
Red   25 sec
Red   26 sec
Red   27 sec
Red   28 sec
Red   29 sec
Red   30 sec
        Yellow   1 sec
Yellow   2 sec
Yellow   3 sec
Yellow   4 sec
Yellow   5 sec
Yellow   6 sec
Yellow   7 sec
Yellow   8 sec
Yellow   9 sec
Yellow   10 sec
```