IBM -NALAIYA THIRAN

INTERNET OF THINGS

ASSIGNMENT NO : 3

NAME : MOHAMMED FAZIL

ASSIGNMENT QUESTION:

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

SOFTWARE REQUIRED:

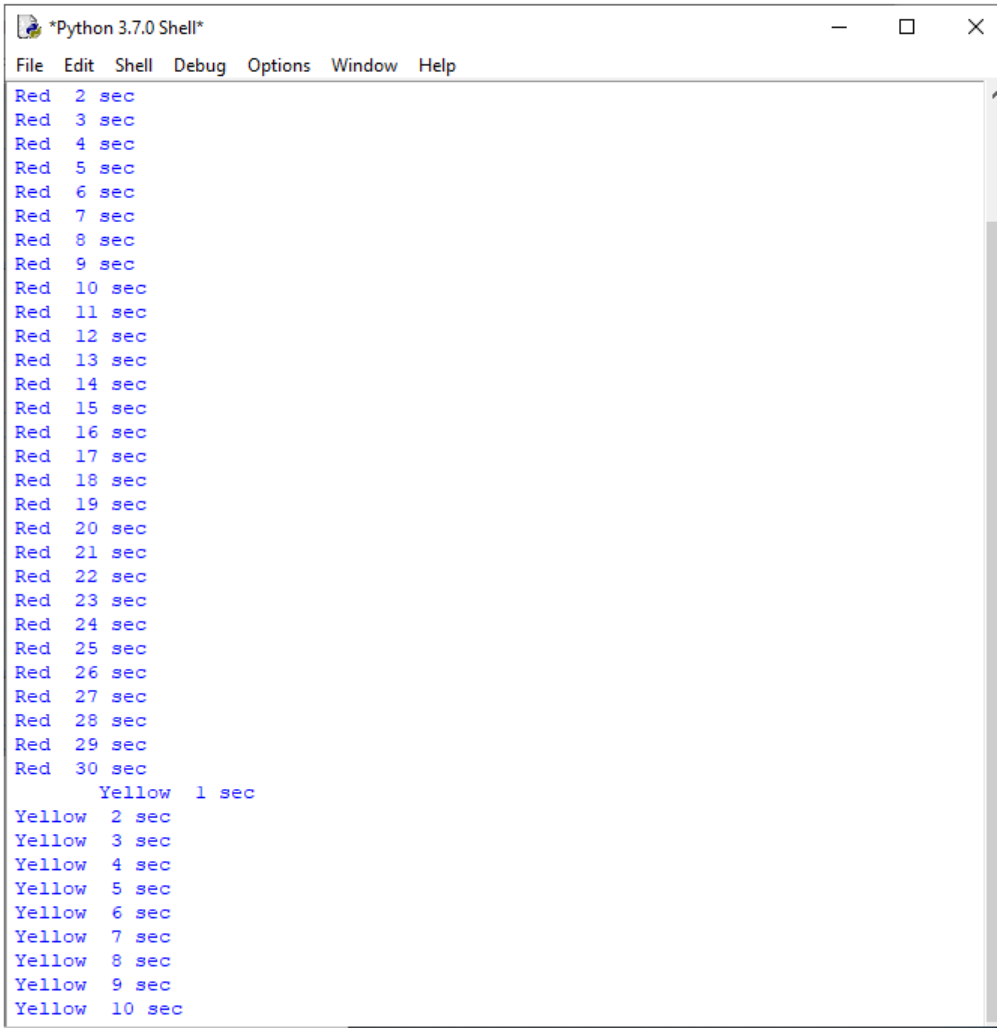
Python-3.7.0

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):
        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