ASSIGNMENT 3

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AIM:

Build a Python code for blinking LED and Traffic light.

SOFTWARE REQUIRED:

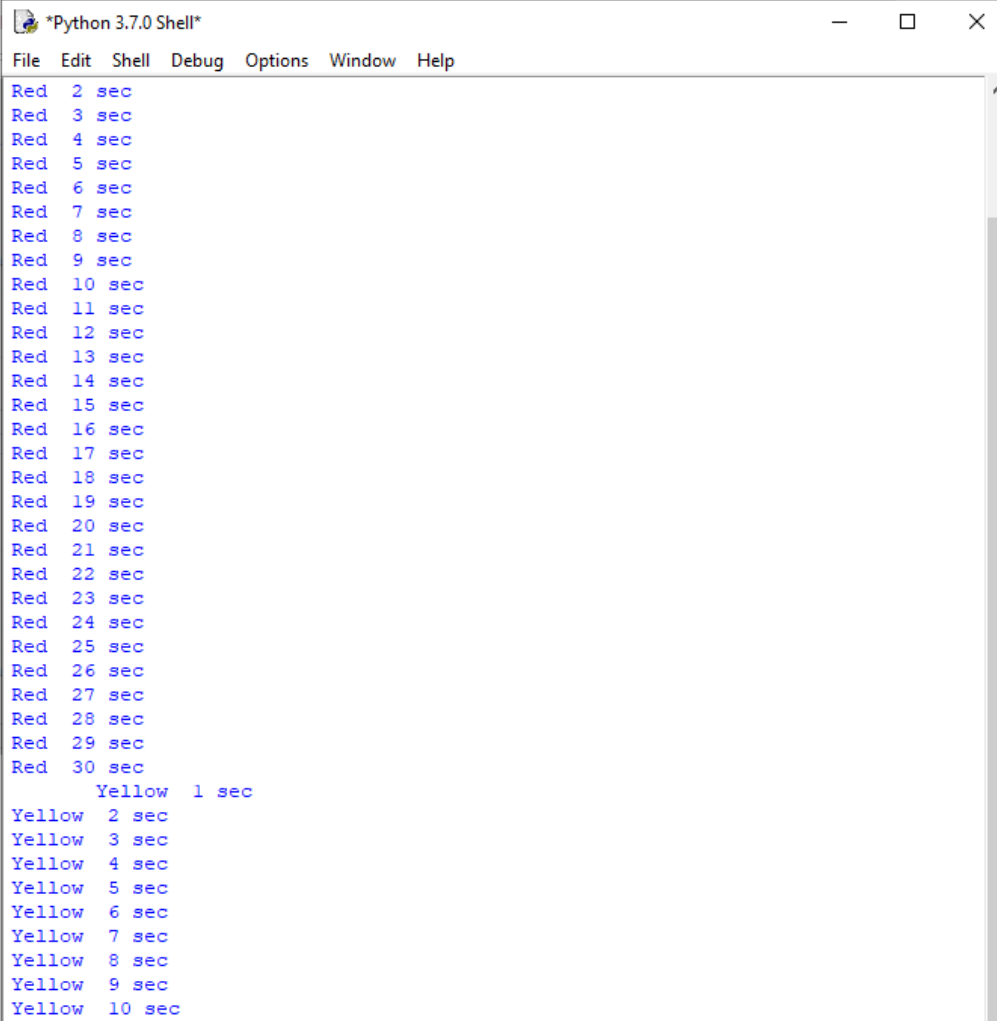Python – 3.7.0

PYTHON CODE:

```python
import time
i=1
while(True):
 if(i>0 and i<=30):
  for j in range(1,31):
   print("Red  ",end="")
   print("{} sec".format(j),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="")
```

```python
    print("{} sec".format(j),end="\n")
    i=i+1
    time.sleep(0.5)
    i=1
    print(end="        ")
    print(end="\r")
```

STIMULATION OUTPUT:

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RESULT:

The python code has been successfully executed.