Assignment -3

Hazardous Area Monitoring for Industrial Plant powered by IoT

Assignment Date: 29th September 2022

Project I'd: PNT2022TMID03488

Aim:

To write a python code for blinking LED and Traffic lights for Raspberry Pi.

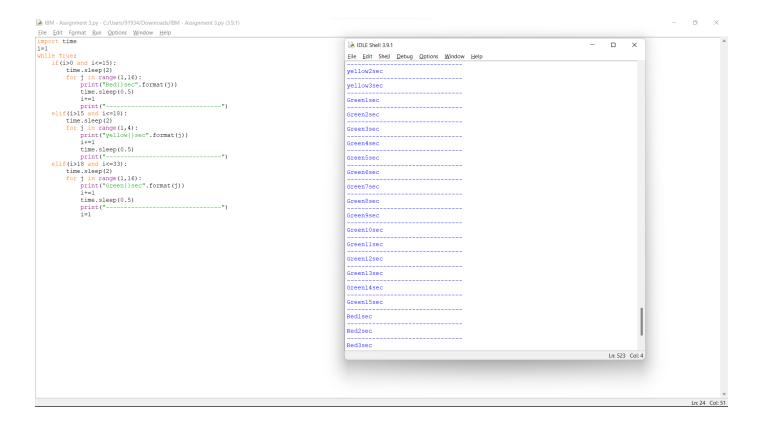
Software used:

Python IDLE 3.10.7 (64 bit)

Python Code:

```
import time
i=1
while True:
   if (i>0 \text{ and } i<=15):
       time.sleep(2)
       for j in range (1,16):
          print("Red{}sec".format(j))
          time.sleep(0.5)
          i+=1
          print("-----")
   elif(i>15 and i<=18):
       time.sleep(2)
       for j in range (1,4):
          print("yellow{}sec".format(j))
          time.sleep(0.5)
          print("-----")
   elif(i>18 and i<=33):
       time.sleep(2)
       for j in range (1,16):
          print("Green{}sec".format(j))
          i+=1
          time.sleep(0.5)
          print("-----")
          i = 1
```

Simulation:



Result:

Thus, I have successfully compiled a python code for blinking LED and Traffic Lights for Raspberry Pi.