Assignment-3

Hazardous Area Monitoring for Industrial Plant powered by IoT

Assignment Date: 2nd November 2022

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Aim:

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

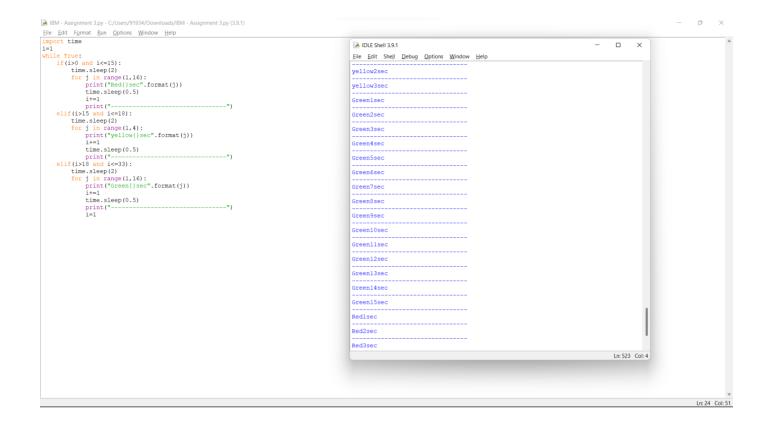
Software used:

```
Python IDLE 3.10.7 (64 bit)
```

Python Code:

```
import time
i=1
while True:
   if(i > 0 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))i+=1
           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 RaspberryPi.