Assignment -3

Hazardous Area Monitoring for Industrial Plant powered by IoT

Assignment Date : 30th September 2022
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Aim:

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

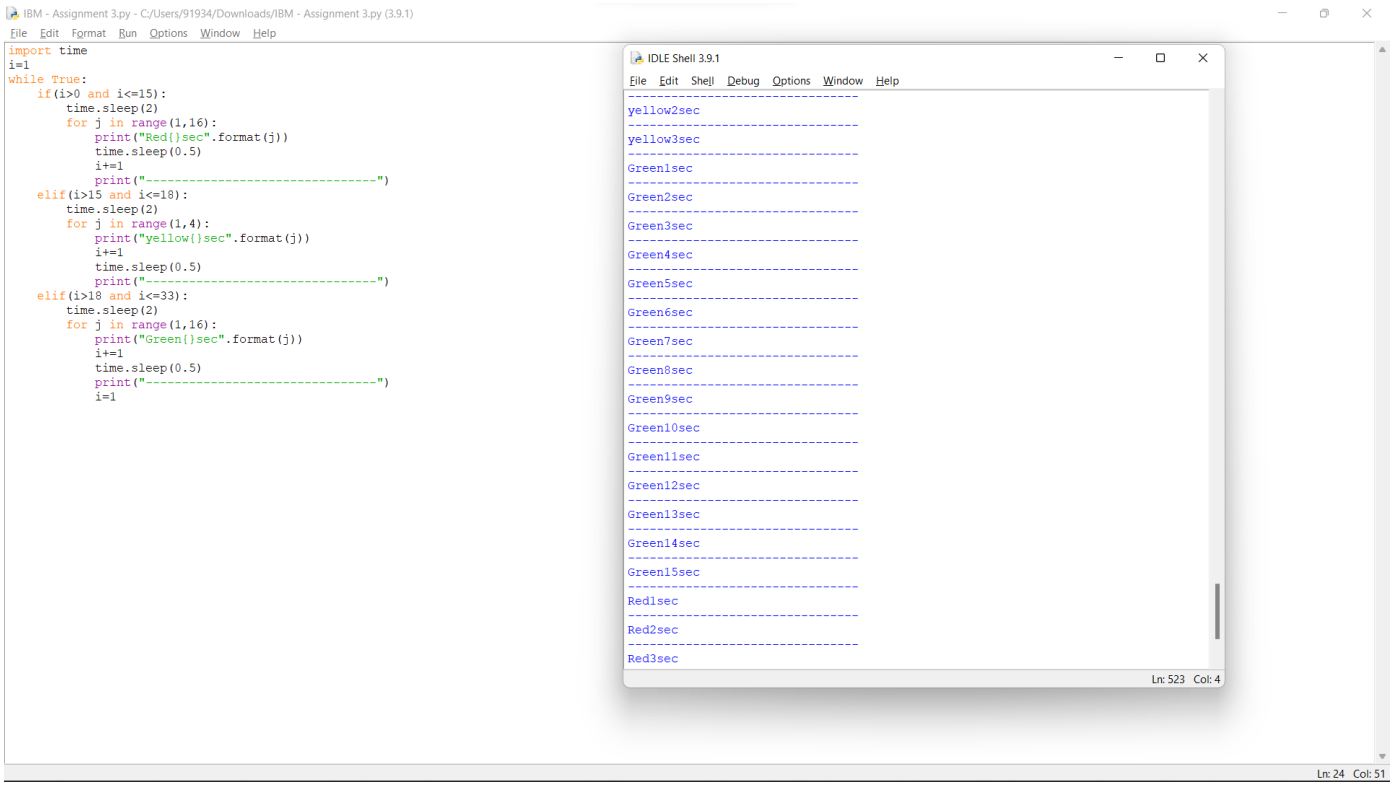
Software used:

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 Raspberry Pi.