

Assignment-2

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PROGRAM CODE:

```
Import sched, time
Import random
def get_value():
    temp=random.randint(25,70);
    hum=random.randint(1,101);
    temp_check(temp,hum);
def temp_check(n,m):
    if(n>55):
        print("The temperature is too high...Alarm is turned on");
        print("Temperature:",n,"Celsius")
        print("Humidity:",m,"%")
    else:
        print("Normal temperature");
        print("Temperature:",n,"Celsius")
        print("Humidity:",m,"%")
s = sched.scheduler(time.time, time.sleep)
def do_something(sc):
    get_value()
    s.enter(5,1,do_something,(sc,))
s.enter(5,1,do_something,(s,))
s.run()
```

OUTPUT:

```
Normal temperature
Temperature: 37 Celsius
Humidity: 79 %
Normal temperature
Temperature: 37 Celsius
Humidity: 90 %
The temperature is too high...Alarm is turned on
Temperature: 56 Celsius
Humidity: 41 %
Normal temperature
Temperature: 53 Celsius
Humidity: 40 %
```