Name: Danaendraraj R

Reg no: 711119104019

Program Code:

```python
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:

```
The temperature is too high...Alarm is turned on
Temperature: 70 Celsius
Humidity: 56 %
Normal temperature
Temperature: 35 Celsius
Humidity: 1 %
Normal temperature
Temperature: 28 Celsius
Humidity: 93 %
The temperature is too high...Alarm is turned on
Temperature: 56 Celsius
Humidity: 3 %
```