Assignment-2

PROGRAM CODE:

```
Import sched, time
Import random
defget_value():
   temp=random.randint(25,70);
    hum=random.randint(1,101);
    temp_check(temp,hum);
deftemp_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 %
```