

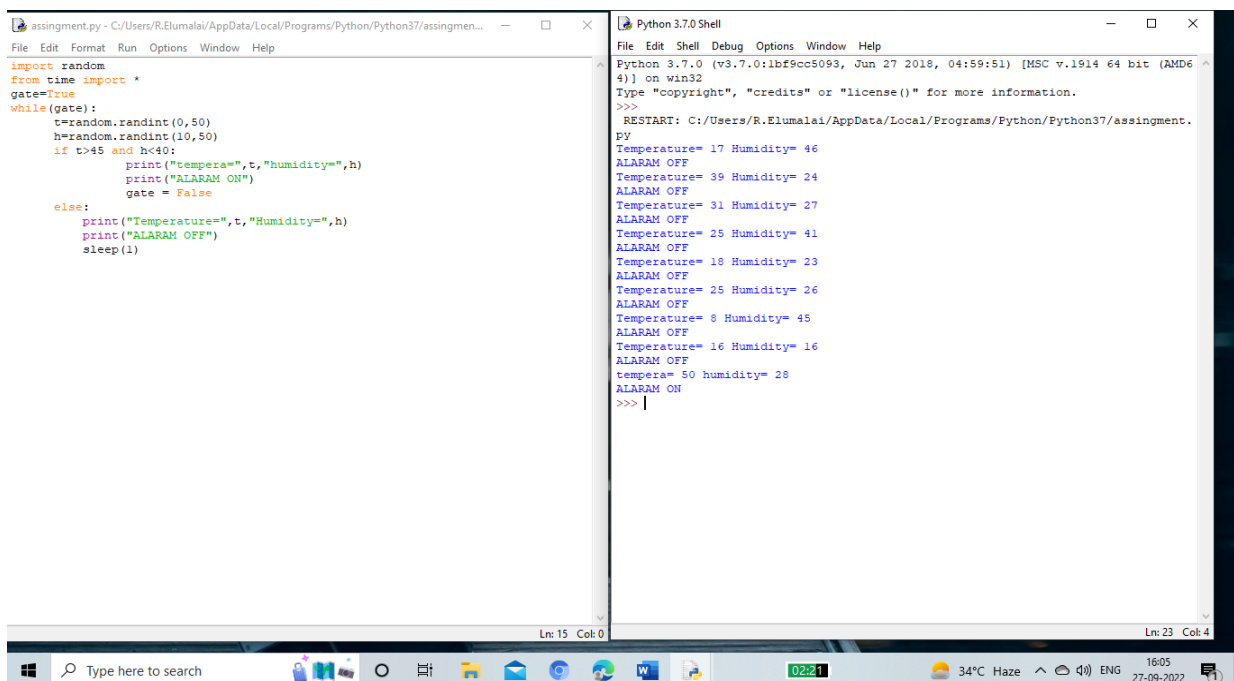
## ASSIGNMENT 2 – PYTHON CODE

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Build a python code, Assume you get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

### SCREEN SHOT



```
assignment.py - C:/Users/R.Elumalai/AppData/Local/Programs/Python/Python37/assignment...
File Edit Format Run Options Window Help

import random
from time import *
gate=True
while(gate):
    t=random.randint(0,50)
    h=random.randint(10,50)
    if t>45 and h<40:
        print("tempera=",t,"humidity=",h)
        print("ALARM ON")
        gate = False
    else:
        print("Temperature=",t,"Humidity=",h)
        print("ALARM OFF")
        sleep(1)

Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
RESTART: C:/Users/R.Elumalai/AppData/Local/Programs/Python/Python37/assignment.
PY
Temperature= 17 Humidity= 46
ALARM OFF
Temperature= 39 Humidity= 24
ALARM OFF
Temperature= 31 Humidity= 27
ALARM OFF
Temperature= 25 Humidity= 41
ALARM OFF
Temperature= 18 Humidity= 23
ALARM OFF
Temperature= 25 Humidity= 26
ALARM OFF
Temperature= 8 Humidity= 45
ALARM OFF
Temperature= 16 Humidity= 16
ALARM OFF
tempera= 50 humidity= 28
ALARM ON
>>> |
```

### CODE:

```
import random

from time import *

gate=True

while(gate):
```

```

t=random.randint(0,50)
h=random.randint(10,50)
if t>45 and h<40:
    print("tempera=",t,"humidity=",h)
    print("ALARAM ON")
    gate = False
else:
    print("Temperature=",t,"Humidity=",h)
    print("ALARAM OFF")
    sleep(1)

```

## OUTPUT:

Temperature= 17 Humidity= 46

ALARAM OFF

Temperature= 39 Humidity= 24

ALARAM OFF

Temperature= 31 Humidity= 27

ALARAM OFF

Temperature= 25 Humidity= 41

ALARAM OFF

Temperature= 18 Humidity= 23

ALARAM OFF

Temperature= 25 Humidity= 26

ALARAM OFF

Temperature= 8 Humidity= 45

ALARAM OFF

Temperature= 16 Humidity= 16

ALARAM OFF

tempera= 50 humidity= 28

ALARAM ON