

## ASSIGNMENT –2

### PYTHON

### PROGRAMMING

Assignment Date	27 September 2022
Student Name	SHREEYAZHINI.A
Student Roll Number	727819TUCS219
Maximum marks	2 Marks

#### QUESTION-1:

Build a python code, Assume u 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?

#### SOLUTION:

```
import random
import time
while(1):
    temp=random.randint(0,200)
    humidity=random.randint(0,200)
    if temp>150:
        print("ALERT!! detected temperature :"+str(temp)+".c")
    if humidity<100:
        print("the humidity values:"+str(humidity)+"%")
        time.sleep(2)
```

```

import random
import time
while(1):
    temp=random.randint(0,200)
    humidity=random.randint(0,200)
    if temp>150:
        print("ALERT!! detected temperature :"+str(temp)+".c")
    if humidity<100:
        print("the humidity value :"+str(humidity)+"")
        time.sleep(2)

```

```

the humidity values:40%
ALERT!! detected temperature :182.c
the humidity values:85%
ALERT!! detected temperature :181.c
ALERT!! detected temperature :197.c
ALERT!! detected temperature :187.c
the humidity values:27%
ALERT!! detected temperature :182.c
ALERT!! detected temperature :175.c
ALERT!! detected temperature :150.c
ALERT!! detected temperature :180.c
the humidity values:24%
ALERT!! detected temperature :181.c
ALERT!! detected temperature :166.c
the humidity values:37%
ALERT!! detected temperature :16 .c
the humidity values:1%
ALERT!! detected temperature :183.c
ALERT!! detected temperature :185.c
ALERT!! detected temperature :171.c
the humidity values:39%
ALERT!! detected temperature :162.c
ALERT!! detected temperature :156.c
ALERT!! detected temperature :181.c
the humidity values:23%
ALERT!! detected temperature :180.c
the humidity values:93%
ALERT!! detected temperature :170.c
ALERT!! detected temperature :191.c
ALERT!! detected temperature :155.c
the humidity values:3%
ALERT!! detected temperature :192.c

t RT eecte temeature :151.c
:186.c
:180.c
ALERT detected tesperaiure :173.u

```