

ASSIGNMENT 2:

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.

CODE:

```
import time
import random
i=0
while(i<=2000):
    i=i+1
    time.sleep(5)
    temp=random.randint(0,30)
    humid=random.randint(1,100)
    if temp<=15:
        print(temp,"the temperature is low")
    elif temp<=25:
        print(temp,"the temperature is normal")
    else:
        print(temp,"the temperature is high")
    if humid<=15:
        print(humid,"the humidity is low")
    elif humid<=80:
        print(humid,"the humidity is normal")
    else:
        print(humid,"the humidity is high")
```

OUTPUT:

1 the temperature is low

58 the humidity is normal

0 the temperature is low

16 the humidity is normal

22 the temperature is normal

84 the humidity is high

14 the temperature is low

7 the humidity is low

9 the temperature is low

45 the humidity is normal

24 the temperature is normal

74 the humidity is normal

30 the temperature is high

70 the humidity is normal