

ASSIGNMENT – 2

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

CODE:

```
import random
import time

while (1):
    temp = random.randint(0, 100)
    humidity = random.randint(0, 100)
    if temp > 60:
        print("ALERT!!! temperature: " + str(temp) + "°C")
        time.sleep(1)
    print("ALERT!!! humidity: " + str(humidity) + "%")
    time.sleep(1)
```

Output:

```
main.py
1 import random
2 import time
3
4 while (1):
5     temp = random.randint(0, 100)
6     humidity = random.randint(0, 100)
7     if temp>60:
8         print("ALERT!!! temperature: "+str(temp)+"°C")
9         time.sleep(1)
10        print("ALERT!!! humidity: "+str(humidity)+"%")
11        time.sleep(1)
12
13
14
15
16
```

input

```
ALERT!!! humidity: 2%
ALERT!!! temperature: 95°C
ALERT!!! humidity: 83%
ALERT!!! temperature: 97°C
ALERT!!! humidity: 70%
ALERT!!! temperature: 69°C
ALERT!!! humidity: 47%

```

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