

ASSIGNMENT-2

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TOPIC	Assignment on temperature and humidity sensing and alarm automation using python

CODE:

```
import time
i=0
while (i<=10):
    i=i+1
    time.sleep(1)
    import random
    temperature=random.randint(0,80)
    humidity=random.randint(1,100)
    if
    temperature<=15:
        print(temperature,
        "temperature is low")
    elif temperature<=25:
        print(temperature, "temperature is normal")
    else :
        print(temperature, "Warning alarm:High temperature")
    if humidity<=30:
        print(humidity, "humidity is low ")
    elif
    humidity<=60:
        print(humidity, "humidity is normal")
    else :
        print(humidity, "humidity is
        high")
```

Output:

```
65 Warning alarm:High temperature
41 humidity is normal
11 temperature is low
59 humidity is normal
60 Warning alarm:High temperature
73 humidity is high
28 Warning alarm:High temperature
42 humidity is normal
26 Warning alarm:High temperature
32 humidity is normal
40 Warning alarm:High temperature
86 humidity is high
4 temperature is low
49 humidity is normal
38 Warning alarm:High temperature
31 humidity is normal
45 Warning alarm:High temperature
83 humidity is high
21 temperature is normal
84 humidity is high
3 temperature is low
70 humidity is high

...Program finished with exit code 0
Press ENTER to exit console.
```