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19TUEC201

BE ECE

SKCT

## ASSIGNMENT 2

### Problem Statement

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

### Code

```
import random
Temperature=random.randint(1,100)
Humidity=random.randint(1,100)
print(Temperature) print(Humidity)
if ((Temperature>38)&(Humidity>40)):
    print("Temperature and Humidity are HIGH ! ")
    print("*** ALARM ON ***")
else: print("Temperature and Humidity are NORMAL ! ")
print("*** ALARM OFF ***")
```

## OUTPUT

main.py	Shell
<pre>1 import random 2 Temperature=random.randint(1,100) 3 Humidity=random.randint(1,100) 4 print(Temperature) 5 print(Humidity) 6 if((Temperature&gt;38)&amp;(Humidity&gt;40)): 7     print("Temperature and Humidity are HIGH ! ") 8     print("*** ALARM ON ***") 9 else: 10    print("Temperature and Humidity are NORMAL ! ") 11    print("*** ALARM OFF ***")</pre>	<pre>35 54 Temperature and Humidity are NORMAL ! *** ALARM OFF *** &gt;</pre>
<pre>1 import random 2 Temperature=random.randint(1,100) 3 Humidity=random.randint(1,100) 4 print(Temperature) 5 print(Humidity) 6 if((Temperature&gt;38)&amp;(Humidity&gt;40)): 7     print("Temperature and Humidity are HIGH ! ") 8     print("*** ALARM ON ***") 9 else: 10    print("Temperature and Humidity are NORMAL ! ") 11    print("*** ALARM OFF ***")</pre>	<pre>59 86 Temperature and Humidity are HIGH ! *** ALARM ON *** &gt;</pre>