

IBM Nalaiya Thiran

Assignment - 2

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:

<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>38)&(Humidity>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>44 95 Temperature and Humidity are HIGH ! *** ALARM ON *** > </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>38)&(Humidity>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>43 29 Temperature and Humidity are NORMAL ! *** ALARM OFF *** > </pre>