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:

main.py

Run

Shell

```
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 ***")
```

```
35
54
Temperature and Humidity are NORMAL !
*** ALARM OFF ***
>
```

```
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 ***")
```

```
59
86
Temperature and Humidity are HIGH !
*** ALARM ON ***
>
```