

IBM NALAIYATHIRAN

ASSIGNMENT - 2

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

CODE:

ASSUME THAT TEMPERATURE=40, HUMIDITY=60

```
import random

Temperature=random.randint(1,100)

Humidity=random.randint(1,100)

print(Temperature)

print(Humidity)

if((Temperature>30)&(Humidity>40)):

    print("Temperature and Humidity are HIGH!!! ")

    print("***ALARM ON**")

else:

    print("Temperature and Humidity are NORMAL!!! ")

    print("***ALARM OFF**")
```

output:

```
import random
Temperature=random.randint(1,100)
Humidity=random.randint(1,100)
print(Temperature)
print(Humidity)
if((Temperature>30)&(Humidity>40)):
    print("Temperature and Humidity are HIGH!!! ")
    print("***ALARM ON**")
else:
    print("Temperature and Humidity are NORMAL!!! ")
    print("***ALARM OFF**")
```

```
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Temperature and Humidity are NORMAL!!!
***ALARM OFF**
```