IBM ASSIGNMENT - 2

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

CODE:

```
import time
import adafruit_dht
import board
dht = adafruit_dht.DHT22(board.D2)
while True:
    try:
    temperature = dht.temperature
    humidity = dht.humidity
    # Print what we got to the REPL
```

```
print("Temp: {:.1f} *C \t Humidity: {}%".format(temperature, humidity))
except RuntimeError as e:
    # Reading doesn't always work! Just print error and we'll try again
    print("Reading from DHT failure: ", e.args)
time.sleep(1)
```

output:

```
import board
import time
import adafruit_dht

dht = adafruit_dht.DHT22(board.D2)

while True:
try:
temperature = dht.temperature

Adafut GroupPython REP.

Temp: 25.0 *C Humidity: 36.6%
Temp: 26.1 *C Humidity: 43.9%
Temp: 25.8 *C Humidity: 50.0%
Temp: 25.8 *C Humidity: 54.6%
Temp: 25.3 *C Humidity: 61.4%
Temp: 25.1 *C Humidity: 62.9%

Temp: 25.1 *C Humidity: 62.9%
```