ASSIGNMENT-2

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:

```
import random
print("Welcome to Temperature and humidity Monitoring IOT Device\n")
temperatures = int(random.randint(-40,125))
Humidity = int(random.randint(0,100))
if(temperatures >=-40) and (temperatures <= -1):</pre>
  print("Low Temperature, Freezing ")
 print(f"Humidity Level {Humidity}%")
elif(temperatures >= 1) and (temperatures <= 20):</pre>
 print("Cold Breeze")
 print(f"Humidity Level {Humidity}%")
elif(temperatures>=21 and temperatures <= 29 ):</pre>
 print("Room Temperature")
 print(f"Humidity Level {Humidity}%")
elif(temperatures >= 30 and temperatures <= 54):</pre>
 print("Temperature is High!!! \nPlease Swtich On the Air conditioner to avoid heatstroke ")
 print(f"Humidity Level {Humidity}%")
else:
 print("Please Find a Way to Exit House is Burning ")
 print("Humidity Level 0%")
```

SCREENSHOT:

```
Welcome to Temperature and humidity Monitoring IOT Device

Low Temperature, Freezing

Humidity Level 64%

>
```

```
Welcome to Temperature and humidity Monitoring IOT Device

Cold Breeze

Humidity Level 99%

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```

```
Welcome to Temperature and humidity Monitoring IOT Device

Room Temperature

Humidity Level 67%

> 

| | |
```