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:

```python
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):
    print("Low Temperature, Freezing ")
    print(f"Humidity Level {Humidity}%")
elif(temperatures >= 1) and (temperatures <= 20):
    print("Cold Breeze")
    print(f"Humidity Level {Humidity}%")
elif(temperatures>=21 and temperatures <= 29 ):
    print("Room Temperature")
    print(f"Humidity Level {Humidity}%")
elif(temperatures >= 30 and temperatures <= 54):
    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%
>
```

```
Welcome to Temperature and humidity Monitoring IOT Device

Room Temperature
Humidity Level 67%
>
```