TEAM ID: NM2023TMID10960

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Build Python code, Generate temperature and Humidity Values (Use Random function to generate values) and Write a condition to detect an alarm in case of high temperature and high Humidity.

#CODE

```
Import random

Temperature = random.uniform(0, 80)

Print(“Temperature: {:.2f}degrees

      Celsius”.format(temperature))

Humidity = random.uniform(0, 170)

Print(“Relative humidity:  {:.2f}”.format(humidity))

If temperature > 30 and humidity > 70:

Print(“Alarm: High temperature and high humidity detected!”)

Else:          Print(“Alarm:High temperature and High humidity not detected!”)
```

main.py

Run

```python
import random

temperature = random.uniform(0, 80)

print("Temperature: {:.2f}degrees Celsius".format
    (temperature))

humidity = random.uniform(0, 170)

print("Relative humidity: {:.2f}%".format
    (humidity))

if temperature > 30 and humidity > 70:

 print("Alarm: High temperature and high humidity
     detected!")

else:

 print("Alarm: High temperature and high humidity
     not detected!")
```

Shell

Clear

```
Temperature: 9.43degrees Celsius
Relative humidity: 10.24%
Alarm: High temperature and high humidity not detected!
>
```