Q)

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('''IMPORTANT NOTE: If the temperature/humidity value is greater

than 450, it is considered as 'HAZARDOUS' ''')

temp=random.sample(range(400,500),15)

humi=random.sample(range(400,500),15)

print('temperature:',temp)

print('Humidity:',humi)

for j in range(15):

    if((temp[j]>450) or (humi[j]>450)):

        print('⚠Hazardous')

    else:

        continue
```

Output:

```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep  5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

================ RESTART: C:\Assignments\Poovarasan.H\python.py ================
IMPORTANT NOTE: If the temperature/humidity value is greater
than 450, it is considered as 'HAZARDOUS'
temperature: [415, 484, 436, 457, 479, 499, 474, 447, 432, 481, 473, 408, 433, 496, 441]
Humidity: [439, 406, 403, 453, 410, 486, 473, 476, 449, 459, 479, 447, 412, 437, 420]
⚠Hazardous
⚠Hazardous
⚠Hazardous
⚠Hazardous
⚠Hazardous
⚠Hazardous
⚠Hazardous
⚠Hazardous
⚠Hazardous
```