

Assignment 2

Date	28 October 2022
Team ID	PNT2022TMID47529
Student Name	R.M. Sneha
Register Number	4 Marks

Question:

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

Code:

```
import random

i=1

while(i<=7):

    a=random.randint(20,200)

    b=random.randint(20,100)

    print(f'Day {i}')

    print(f'Temperature:{a} ')

    print(f'Humidity :{b} ')

    if a>80:

        if b>80:

            print("HAZARD PREDICTED... ")

        else:

            print("HIGH TEMPERATURE ")

    elif a==80:

        print("TEMPERATURE HIGH ")

    else:

        print("ALL GOOD ")

    i=i+1
```

```
print(end="\n")
```

Output:

```
= RESTART: C:\Users\ELCOT\AppData\Local\Programs\Python\Python38\Assignment 2.py
Temperature:181
Humidity   :34
HIGH TEMPERATURE

Temperature:73
Humidity   :48
ALL GOOD

Temperature:48
Humidity   :62
ALL GOOD

Temperature:153
Humidity   :44
HIGH TEMPERATURE

Temperature:95
Humidity   :53
HIGH TEMPERATURE

Temperature:160
Humidity   :53
HIGH TEMPERATURE
```