

Assignment 2

Date	28 October 2022
Team ID	PNT2022TMID47529
Student Name	R.Subitsha
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
```