

ASSIGNMENT -2 : SAMBATH N

Build a python code , assume you get temperature and humidity values(generated with random functions to a variable) and write a condition to continuously detect alarm in case of high temperature

```
1 import random
2 print("TEMPERATURE AND HUMIDITY VALUES")
3 temp=int(random.randint(-40,125))
4 humi=int(random.randint(0,100))
5
6 if(temp>=-40)and(temp<=-1):
7     print("low temp")
8     print(f"humidity level{humi}%")
9 elif(temp>=-1) and(temp<=20):
10    print("cold breeze")
11    print(f"humidity level{humi}%")
12 elif(temp>=21)and (temp<=29):
13    print("Room temp")
14    print(f"humidity level{humi}%")
15 elif(temp>=30)and(temp<=54):
16    print("high temp")
17    print(f"humidity level{humi}%")
18 else:
19    print("humidity level 0%")
20
```

```
TEMPERATURE AND HUMIDITY VALUES
cold breeze
humidity level97%
> |
```

```
TEMPERATURE AND HUMIDITY VALUES
humidity level 0%
>
```

```
TEMPERATURE AND HUMIDITY VALUES
low temp
humidity level94%
>
```