Online Python Compiler (Interpre

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Programiz
Python Online Compiler

Interactive Python Course

main.py

Run

```
7
8  import random
9  import time
10
11 while(True):
12
13         #temperature range in dh11 sensor is 0 to 50 Celsius
14         temp=round(random.uniform(0,50),2)
15         #humidity range in dh11 sensor is 20 to 90%
16         humid=round(random.uniform(20,90),2)
17
18         #ideal weather temperature range is 22 C to 30 C
19         #ideal weather humidity range is 35% to 60%
20
21         #condition for high temperature
22         if(temp>30):
23                 print("High Temperature !!!\a\a\a\a\a")
24                 print("Temperature : %.2f\tHumidity : %.2f"%(temp,humid))
25                 if(humid<35 or humid>60):
26                         print("Abnormal Humidity !!!\a\a\a\a\a")
27         #condition for low temperature
28         if(temp<22):
29                 print("Low Temperature !!!\a\a\a\a\a")
30                 print("Temperature : %.2f\tHumidity : %.2f"%(temp,humid))
31                 if(humid<35 or humid>60):
32                         print("Abnormal Humidity !!!\a\a\a\a\a")
33         time.sleep(5)
```

Shell

Clear

```
Low Temperature !!!·····
Temperature : 11.51 Humidity : 24.64
Abnormal Humidity !!!·····
High Temperature !!!·····
Temperature : 45.41 Humidity : 55.47
Low Temperature !!!·····
Temperature : 15.05 Humidity : 63.66
Abnormal Humidity !!!·····
High Temperature !!!·····
Temperature : 34.95 Humidity : 64.44
Abnormal Humidity !!!·····
High Temperature !!!·····
Temperature : 47.28 Humidity : 82.46
Abnormal Humidity !!!·····
Low Temperature !!!·····
Temperature : 19.91 Humidity : 57.63
High Temperature !!!·····
Temperature : 48.14 Humidity : 23.02
Abnormal Humidity !!!·····
```

26°C
Haze

ENG
IN

22:40
27-09-2022