

Assignment -2
Python Programming

Assignment Date	22 September 2022
Student Name	Gejashree T
Student Roll Number	111719104055
Maximum Marks	2 Marks

Question-1:

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

Solution:

```
import random #random function

temp=random.randint(1,100)
humty=random.randint(1,100)
print(temp)#temperature value
print(humty)#humidity value

if ((temp<30)&(humty<50)):
    print("temperature is normal :")
    print("humidity is normal:")
    print("alaram off")
elif((temp<30)&(humty>50)):
    print("temperature is low")
    print("humidity is high")
    print("alaram off")
elif((temp>30) & (humty<50)):
    print("temperature is high:")
    print("humidity is normal")
    print("alaram on")
elif((temp>30) & (humty<60)):
    print("temperature is high")
    print("humidity is normal:")
    print("alaram on")
elif((temp>30) & (humty>60)):
    print("temperature is high")
    print("humidity is high")
    print("alaram on")
```

IBM x IoT Based Real-time x Word x Proposed Solution Te x IBM-EPBL (IBM-EPBL) x (11) WhatsApp x GDB online Debugge x

onlinegdb.com

Meet - Webinar Ser... Gmail YouTube Translate Meet - II Year CSE ...

OnlineGDB beta
online compiler and debugger for c/c++

code. compile. run. debug. share.

IDE

My Projects

Classroom new

Learn Programming

Programming Questions

Sign Up

Login

main.py

```
8 '''
9 import random #random function
10 temp=random.randint(1,100)
11 humty=random.randint(1,100)
12 print(temp)#temperature value
13 print(humty)#humidity value
14
15 if ((temp<30)&(humty<50)):
16     print("temperature is normal :)")
17     print("humidity is normal:")
18     print("alaram off")
19 elif((temp<30)&(humty>50)):
20     print("temperature is low")
21     print("humidity is high")
22     print("alaram off")
23 elif((temp>30) & (humty<50)):
24     print("temperature is high:")
25     print("humidity is normal")
26     print("alaram on")
27 elif((temp>30) & (humty>50)):
28     print("temperature is high")
29     print("humidity is normal:")
30     print("alaram on")
31 elif((temp>30) & (humty>60)):
32     print("temperature is high")
33     print("humidity is high")
34     print("alaram on")
```

input

```
7
temperature is high:
humidity is normal
alaram on

...Program finished with exit code 0
Press ENTER to exit console.
```

About • FAQ • Blog • Terms of Use • Contact Us • GDB
Tutorial • Credits • Privacy

Waiting for securepubads.g.doubleclick... line

Type here to search

32°C Haze 9:33 PM 9/24/2022