

### Assignment -1

Assignment Date	26 September 22
Student Name	TAMIL INIAN R
Student Roll Number	621319106094
Maximum Marks	2 Marks

#### Question-1:

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

#### Solution:

```
# import the random and time librarys
import random
import time

# iterate the random values of Temperature and humidity within the specified range
while True:
    temp = random.randint(35, 209)
    humi = random.randint(0, 100)

    #print the values of Temperature and humidity
    print("Temperature is : "+str(temp)+"F")
    print("Temperature in celsius : "+str(((temp-32)*5)//9)+"°")
    print("The Humidity is : "+str(humi)+"%")

    # check if the temperature values are higher than 100F
    if (temp >= 100):
        print("High Temperature Alert : "+str(temp)+"F")
        time.sleep(10)
```

OnlineGDB beta

online compiler and debugger for c/c++

Welcome, 082 Sārāvēnāsūdihāñ S ▲

Create New Project

My Projects

Classroom new

Learn Programming

Programming Questions

Logout

f

t

+ 175K

About • FAQ • Blog • Terms of Use • Contact Us

GDB Tutorial • Credits • Privacy

© 2016 - 2022 GDB Online

main.py

```
1 # import the random and time librarys
2 import random
3 import time
4
5 # iterate the random values of Temperature and humidity within the specified range
6 while True:
```

input

Temperature is : 109°F  
Temperature in celsius : 42°C  
The Humidity is : 89%  
High Temperature Alert : 109°F  
Temperature is : 128°F  
Temperature in celsius : 53°C  
The Humidity is : 2%  
High Temperature Alert : 128°F  
Temperature is : 190°F  
Temperature in celsius : 87°C  
The Humidity is : 27%  
High Temperature Alert : 190°F  
Temperature is : 169°F  
Temperature in celsius : 76°C  
The Humidity is : 98%  
High Temperature Alert : 169°F

GDB online Debugger | Compile: X

onlinegdb.com

Gmail YouTube Maps

Run Debug Stop Share Save Beautify

Language Python 3

Windows taskbar

22:31 25-09-2022