## PANIMALAR ENGINEERING COLLEGE

Department of Electronics and Communication Engineering IOT Assignment -2

**Python Programming** 

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## **Question:**

Build a python code, assume u 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 random
 while(True):
    t=random.randint(10,99)
    h=random.randint(10,99)
    if(t>30 and h<40):
       print("High temperature and values of Temperature & Humidity is:",t,h,"Alarm
 is on")
    elif(t < 30 and h > 40):
       print("Low temperature and values of Temperature & Humidity: ",t,h," Alarm is
 off")
File Edit Format Run Options Window Help
import random
while (True):
   t=random.randint(10,99)
   h=random.randint(10,99)
   if(t>30 and h<40):
      print("High temprature and values of Temperature & Humidity is:",t,h,"Alarm is on")
   elif(t<30 and h>40):
      print("Low temprature and values of Temperature & Humidity:",t,h,"Alarm is off")
```

```
File Edit Shell Debug Options Window Help

Python 3.10.6 (tags/v3.10.6:9c7bdbd, Aug 1 2022, 21:53:49) [MSC v.1932 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

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Low temprature and values of Temperature & Humidity is 20 33 30 Alarm is on High temprature and values of Temperature & Humidity is: 87 33 Alarm is on High temprature and values of Temperature & Humidity is: 93 35 Alarm is on High temprature and values of Temperature & Humidity is: 93 35 Alarm is on High temprature and values of Temperature & Humidity is: 99 23 Alarm is on High temprature and values of Temperature & Humidity: 25 88 Alarm is off High temprature and values of Temperature & Humidity: 25 88 Alarm is on High temprature and values of Temperature & Humidity: 25 88 Alarm is on High temprature and values of Temperature & Humidity: 31 37 27 Alarm is on High temprature and values of Temperature & Humidity: 31 37 37 Alarm is on High temprature and values of Temperature & Humidity: 31 30 Alarm is on High temprature and values of Temperature & Humidity: 31 30 Alarm is on Low temprature and values of Temperature & Humidity: 31 31 Alarm is on Low temprature and values of Temperature & Humidity: 31 33 Alarm is on Low temprature and values of Temperature & Humidity: 31 33 Alarm is off High temprature and values of Temperature & Humidity: 31 33 Alarm is on High temprature and values of Temperature & Humidity: 31 33 Alarm is on High temprature and values of Temperature & Humidity: 31 33 Alarm is on High temprature and values of Temperature & Humidity: 31 33 Alarm is on High temprature and values of Temperature & Humidity: 31 34 Alarm is on High temprature and values of Temperature & Humidity: 32 83 Alarm is on Low temprature and values of Temperature & Humidity: 32 83 Alarm is on High temprature and values of Temperature & Humidity: 32 83 Alarm is on High temprature and values of Temperature & Humidity: 32 43 Alarm is on High temprature and values of Temperature & Humidity: 32 43 Alarm is
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