

Assignment - II :

Harzardous Area Monitoring for Industrial Plant Powered by IOT

Topic: PYTHON CODE TO GET TEMPERATURE AND HUMIDITY VALUE

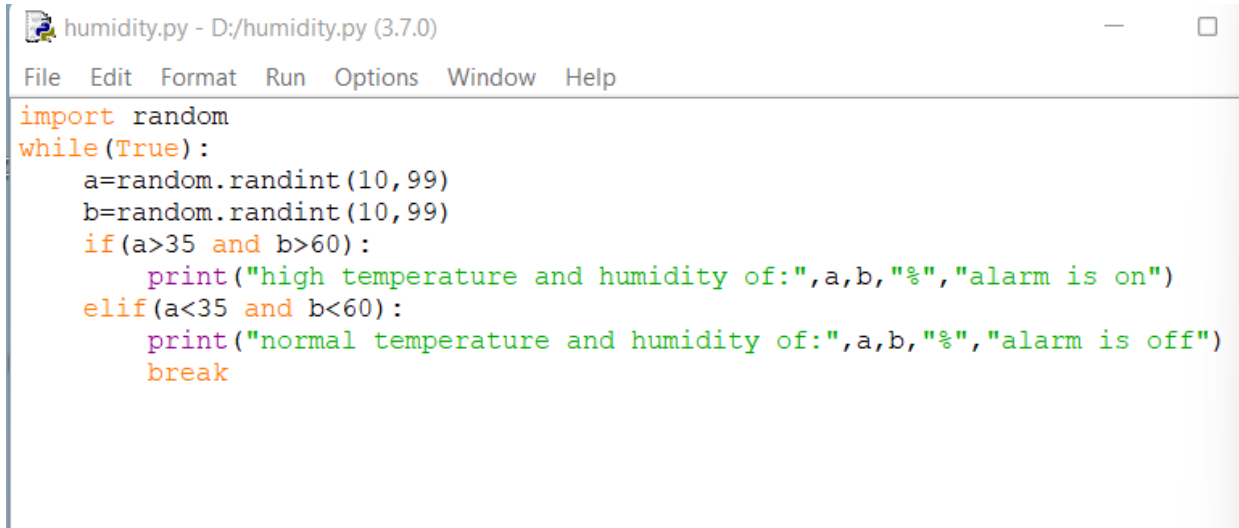
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Program :

```
Import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("high temperature and humidity of:",a,b,"%","alarm is on")
    elif(a<35 and b<60):
        print("normal temperature and humidity of:",a,b,"%","alarm is off")
    Break
```

A screenshot of a Python IDE window titled 'humidity.py - D:/humidity.py (3.7.0)'. The window has a menu bar with 'File', 'Edit', 'Format', 'Run', 'Options', 'Window', and 'Help'. The code editor displays the following Python code:

```
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("high temperature and humidity of:",a,b,"%","alarm is on")
    elif(a<35 and b<60):
        print("normal temperature and humidity of:",a,b,"%","alarm is off")
    break
```

Output :

```
===== RESTART: D:/humidity.py
high temperature and humidity of: 50 63 % alarm is on
high temperature and humidity of: 92 95 % alarm is on
high temperature and humidity of: 01 67 % alarm is on
high          and humidity of: 6% 60 % alarm is on
high temperature and humidity of: 74 65 % alarm is on
high temperature and humidity of: 56 %7 % alarm is on
high temperature and humidity of: 47 %7 % alarm is on
high temperature and humidity of: %5 55 % alarm is on
normal temperature and humidity of: 2% 11 % alarm is off
```

```
===== RESTART: D:/humidity.py =====
high          and humidity of: 66 75 % alarm is on
high          and humidity of: 66 74 % alarm is on
high temperature and humidity of: Bo 70 % alarm is on
normal temperature and humidity of: 32 28 % alarm is off
```