Harzardous Area Monitoring for Industrial Plant Powered by IOT

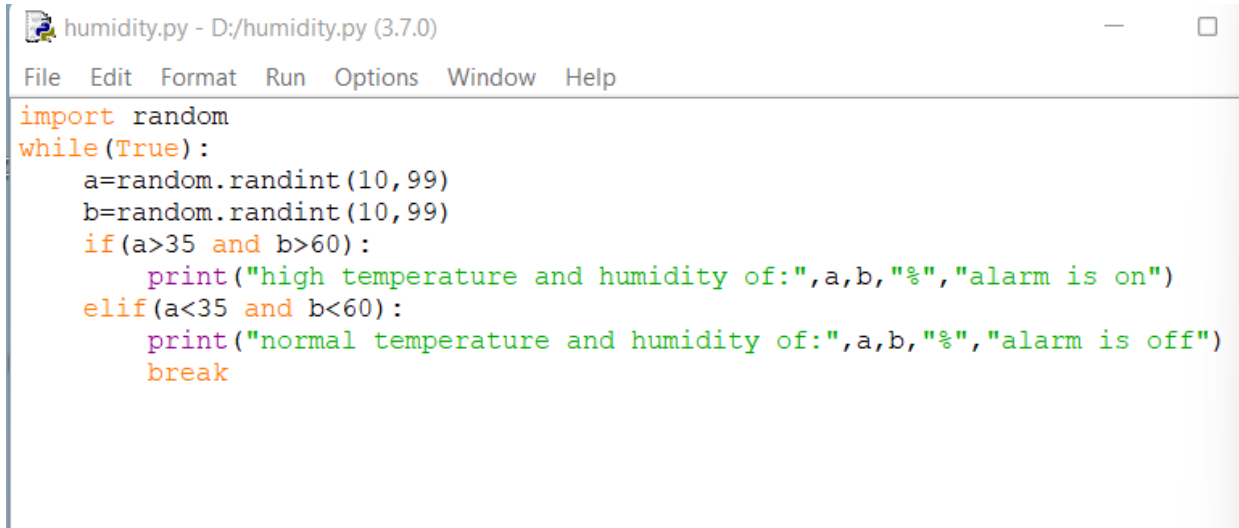**Topic:** PYTHON CODE TO GET TEMPERATURE AND HUMIDITY VALUE

Name: R.P.RAMVIGNHESH

Register Number: 920819106048

E-Mail Id:ramvignhesh759@gmail.com

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
```

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: ol 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
```