

## PROGRAM FOR TEMPERATURE AND HUMIDITY TO INDICATE ALARM CONTINUOUS IN HIGH TEMPERATURE USING GENERATED RANDOM VARIABLES:

```
Import random
```

```
While (True):
```

```
Temp=random.randint(30,100)
```

```
Hum=random.randint(30,100)
```

```
If (Temp>=50 and Hum<=80):
```

```
    Print ("high temperature values of temperature and humidity is:",Temp,Hum);
```

```
    Print("alarm ON");
```

```
Elif(Temp<50 and Hum>80):
```

```
    Print ("low temperature values of temperature and humidity is :",Temp,Hum);
```

```
    Print ("alarm OFF");
```

high temperatures values of temperature and humidity is : 66 66  
alarm ON  
high temperatures values of temperature and humidity is : 94 60  
alarm ON  
high temperatures values of temperature and humidity is : 74 39  
alarm ON  
high temperatures values of temperature and humidity is : 87 59  
alarm ON  
high temperatures values of temperature and humidity is : 96 49  
alarm ON  
high temperatures values of temperature and humidity is : 95 49  
alarm ON  
high temperatures values of temperature and humidity is : 87 52  
alarm ON  
high temperatures values of temperature and humidity is : 99 59  
alarm ON  
low temperature values of temperature and humidity is: 37 81  
alarm OFF  
high temperatures values of temperature and humidity is : 78 73  
alarm ON  
low temperature values of temperature and humidity is: 40 05  
alarm OFF  
high temperatures values of temperature and humidity is : 95 74  
alarm ON

high temperatures values of temperature and humidity is : 59 66  
alarm ON  
high temperatures values of temperature and humidity is : 56 35  
alarm ON  
high temperatures values of temperature and humidity is : 96 79  
alarm ON  
high temperatures values of temperature and humidity is : 65 65  
alarm ON  
high temperatures values of temperature and humidity is : 94 75  
alarm ON  
high temperatures values of temperature and humidity is : 92 62  
alarm ON  
high temperatures values of temperature and humidity is : 51 57  
alarm ON  
high temperatures values of temperature and humidity is : 56 39  
alarm ON  
low temperature values of temperature and humidity is: 31 88  
alarm OFF  
high temperatures values of temperature and humidity is : 70 65  
alarm ON  
low temperature values of temperature and humidity is: 46 92  
alarm OFF  
high temperatures values of temperature and humidity is : 89 71  
alarm ON