

```

import random
#Condition to check continuously
while(True):
    #Input Values
    T = random.randint(0,100)
    H = random.randint(0,100)
    print("Temperature_Value = ",T)
    print("Humidity_Value = ",H)

```

#Condition for Alarm

```

if T>65:
    if H>70:
        print("Hazard... Alarm On with Max sound")
    else:
        print("High Temperature... Alarm On")
elif T==65:
    print("Temp at Max level... Alarm On")
else:
    print("Normal... Alarm Off")

```

```

t.py - C:\BM\t.py (3.10.7)
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IDLE Shell 3.10.7*
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#Condition to check continuously
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#Condition for Alarm
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    elif T==65:
        print("Temp at Max level... Alarm On")
    else:
        print("Normal... Alarm Off")

```

Humidity\_Value = 63  
Normal... Alarm Off  
Temperature\_Value = 75  
Humidity\_Value = 86  
Hazard... Alarm On with Max sound  
Temperature\_Value = 77  
Humidity\_Value = 96  
Hazard... Alarm On with Max sound  
Temperature\_Value = 20  
Humidity\_Value = 76  
Normal... Alarm Off  
Temperature\_Value = 36  
Humidity\_Value = 22  
Normal... Alarm Off  
Temperature\_Value = 21  
Humidity\_Value = 72  
Normal... Alarm Off  
Temperature\_Value = 65  
Humidity\_Value = 6  
Temp at Max level... Alarm On  
Temperature\_Value = 12  
Humidity\_Value = 13  
Normal... Alarm Off  
Temperature\_Value = 98  
Humidity\_Value = 84  
Hazard... Alarm On with Max sound  
Temperature\_Value = 6  
Humidity\_Value = 94  
Normal... Alarm Off  
Temperature\_Value = 39  
Humidity\_Value = 80  
Normal... Alarm Off  
Temperature\_Value = 12  
Humidity\_Value = 76  
Normal... Alarm Off  
Temperature\_Value = 43  
Humidity\_Value = 60  
Normal... Alarm Off  
Temperature\_Value = 95

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t.py - CA8BM\Tpy (3.10.7)

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```
Import
#Condit
while(1)
    #In
    T = Temperature_Value = 58
    H = Humidity_Value = 43
    pri Normal... Alarm Off
    pri Temperature_Value = 83
    Humidity_Value = 21
    #Condit High Temperature... Alarm On
    Temperature_Value = 4
    Humidity_Value = 90
    if Normal... Alarm Off
    Temperature_Value = 13
    Humidity_Value = 82
    Normal... Alarm Off
    eli Temperature_Value = 41
    Humidity_Value = 88
    els Normal... Alarm Off
    Temperature_Value = 79
    Humidity_Value = 11
    High Temperature... Alarm On
    Temperature_Value = 100
    Humidity_Value = 3
    High Temperature... Alarm On
    Temperature_Value = 83
    Humidity_Value = 83
    Hazard... Alarm On with Max sound
    Temperature_Value = 7
    Humidity_Value = 0
    Normal... Alarm Off
    Temperature_Value = 38
    Humidity_Value = 30
    Normal... Alarm Off
    Temperature_Value = 82
    Humidity_Value = 48
    High Temperature... Alarm On
    Temperature_Value = 17
    Humidity_Value = 66
    Normal... Alarm Off
    Temperature_Value = 17
    Humidity_Value = 81
    Normal... Alarm Off
```

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