

**TEAM ID:PNT2022TMID37949**

**BATCH:B9-3A5E**

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**TEAM SIZE:5**

**ASSIGNMENT 2:**

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.

## CODE:

```
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")
    else(t<30 and h>40):
        print("Low temperature and values of Temperature &
              Humidity : ",t,h,"Alarm is off")
```

## OUTPUT:

main.py

Run

```
1 import random
2 while(True):
3     t=random.randint(10,99)
4     h=random.randint(10,99)
5     if(t>30 and h<40):
6         print("High temperature and values of
          Temperature & Humidity is:",t,h,"Alarm
          is on")
7     elif(t<30 and h>40):
8         print("Low temperature and values of
          Temperature & Humidity : ",t,h,"Alarm is
          off")
9
10
```

Shell

Clear

High temperature and values of Temperature & Humidity is:
47 11 Alarm is on
High temperature and values of Temperature & Humidity is:
64 11 Alarm is on
High temperature and values of Temperature & Humidity is:
93 24 Alarm is on
Low temperature and values of Temperature & Humidity : 24
47 Alarm is off
High temperature and values of Temperature & Humidity is:
67 31 Alarm is on
High temperature and values of Temperature & Humidity is:
35 10 Alarm is on
Low temperature and values of Temperature & Humidity : 29
57 Alarm is off
Low temperature and values of Temperature & Humidity : 20

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