

ASSIGNMENT – 2

PYTHON PROGRAMMING

PROBLEM STATEMENT

To build a Python code and assume that we get temperature and humidity values and continuously detect alarm in case of high temperature.

CODE

Getting the temperature and humidity values and checking both the values if the values move above the threshold value, then an alarm will be given.

```
def check(a,b):  
    if(b<30):  
        print("Humidity is low")  
    elif(a>30 and b>70):  
        print("Humidity is high")  
        print("Alarm ON")  
    elif(a>25 and (b>30 and b<70)):  
        print("Humidity is Normal")  
        print("Alarm is OFF")  
  
if __name__ == "__main__":  
    temperature = int(input("Enter temperature : "))  
    humidity = int(input("Enter humidity : "))  
    check(temperature,humidity)
```

OUTPUT

Enter temperature : 55
Enter humidity : 29
Humidity is low

Enter temperature : 45
Enter humidity : 36
Humidity is Normal
Alarm is OFF

