# **ASSIGNMENT 2**

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AIM:

Build a Python code ,Assume you get temperature and humidity values and write a condition to continuously detect the alarm in case of high temperature.

# SOFTEARE REQUIRED:

```
Python – 3.7.0
```

## **PYTHON CODE:**

import random

from time import sleep

from tkinter import messagebox

a=1

while(a==1):

temp=random.randrange(0,100)

if(temp < 50):

humidity=random.randrange(21,50)

else:

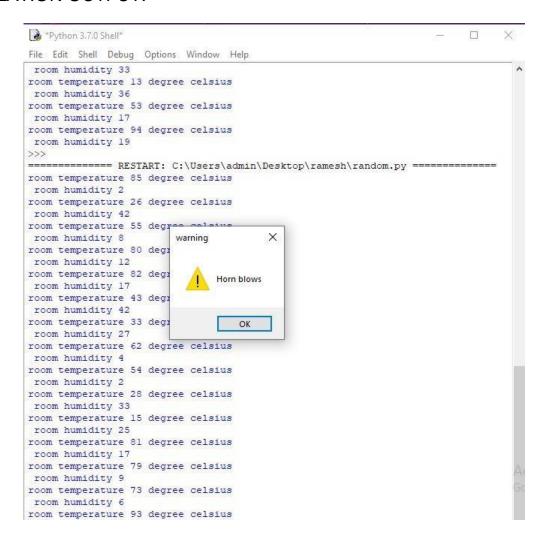
humidity=random.randrange(0,20)

```
print("room temperature {} degree celsius".format(temp))

print(" room humidity {}".format(humidity))

if(temp>90 and humidity<50):
    messagebox.showwarning("warning","Horn blows")
    break
a=1
sleep(1)</pre>
```

## STIMULATION OUTPUT:



#### REFERANCE LINK:

We have referred this below links and python program for pop out dialogue box and random numbers.

- https://www.tutorialspoint.com/python/tk messagebox.htm#:~:t ext=The%20tkMessageBox%20module%20is%20used,askokcancel %2C%20askyesno%2C%20and%20askretryignore
- <a href="https://www.javatpoint.com/python-tkinter-messagebox">https://www.javatpoint.com/python-tkinter-messagebox</a>
- https://www.geeksforgeeks.org/random-numbers-in-python/

## **RESULT:**

The python code has been successfully executed and due to high temperature the alarm is turned ON.