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 ofhigh temperature.

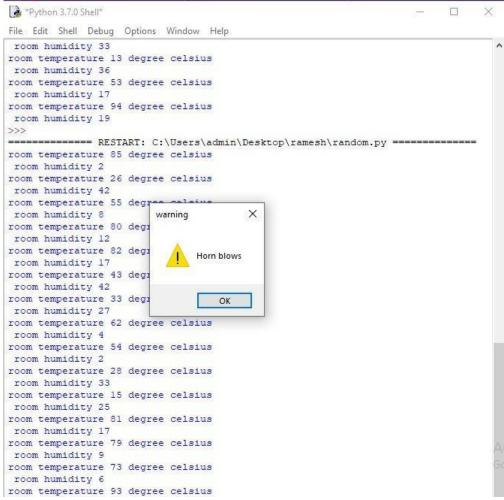
SOFTWARE REQUIRED:

```
Python -3.7.0
```

PYTHON CODE:

```
import random f
rom time import sleep f
rom 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)
```

STIMULATION OUTPUT:



REFERANCE LINK:

We have referred this below links and python program for pop outdialogue 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
- https://www.javatpoint.com/python-tkinter-messagebox
- https://www.geeksforgeeks.org/random-numbers-in-python/

RESULT

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