'''Build a python code by assuming temperature and humidity values using random function. And write a condition to

continuously buzz an alarm in case of high temperature.'''

# program for finding humidity and temperature

#let us assuming the range of temperature from 23 to 30 degrees

#if temperature is above 30 degrees

import random

import math

import winsound

#random choosing of temperature

temperature=random.randint(22,40)

# here dew point must be less than temperature so let us subtact some value with the range of 3 to 8

rand=random.randint(3,8)

print(temperature)

due\_point=temperature-rand

relativehumidity=100\*(2.718281828\*(17.625\*due\_point/(243.04+due\_point)))/(2.718281828\*(17.625\*temperature/(243.04+temperature)))

print(relativehumidity)

# buzzer alerting if temperature is exceed 33 then buzzer allert

if(temperature>33):

winsound.Beep(4300,5000)

print(" ! ")

print(" ((((((((/a\)))))))) ")

else:

print(" ! ")

print(" a ")