ASSIGNMENT 2

ASSIGNMENT DATE	22-SEP-2022
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MAXIMUM MARK	2MARK

Question:

Build a Python code, Assume u get temperature and humidity values (generated with a random function to a variable) and write a condition detect alarm in case of high temperature.

Solution:

CODE:

#Program for finding humidity and temperature

#Let us assuming the range of temperature from 23 to 30 degress

#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 is subtract some value with the range of 3 to 8

rand=random.randint(3,8)

print(temperature)

due_point=temperature-rand

 $relative humidity = 100*(2.718281828*(17.625*due_point/(243.04+due_point)))/(2.718281828*(17.625*temperature/(243.04+temperature)))$

print (relative humidity)

#buzzer alerting if temperature is exceed 33 then buzzer allert

if(temperature>33):

winsound.Beep(4300,5000)

```
print("!!!!!(((((buzzer)))))!!!!!")
else:
    print(".....buzzer....")
```

OUTPUT:

