ASSIGNMENT 2

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| 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

relativehumidity=100\*(2.718281828\*(17.625\*due\_point/(243.04+due\_point)))/(2.7 18281828\*(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("!!!!!(((((buzzer)))))!!!!!") else:

print("...........buzzer. ")

**OUTPUT:**

