ASSIGNMENT-2

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MAXIMUM MARKS: 2 Marks

QUESTION: 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:

```
import random
import winsound
#Assuming the range of temperature 23 Celsius to 40 Celsius
#If temperature is above 33 Celsius consider high temperature
temperature=random.randint(23,40)
print("Temperature=",end=" ")
print(temperature)
if temperature>33:
  print("High temperature buzzer rings")
  print("XXXXXBUZZERXXXXX")
  winsound.Beep(4444, 500)
else:
  print("Normal Temperature")
  print("----BUZZER-----")
#let dewpoint be lessthan temperature
difference=random.randint(3,8)
dewpoint=temperature-difference
print("dewpoint=",end=" ")
print(dewpoint)
#Relative Humidity
rh=100*(2.718281828*(17.625*dewpoint/(243.04+dewpoint)))/(2.718281828*(17.625*te
mperature/(243.04+temperature)))
print("Relative Humidity=",end=" ")
print(rh)
```

OUTPUT:

```
import random
import rand
```