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*temperature/(243.04+temperature)))
print("Relative Humidity=",end=" ")
print(rh)
```

Output:

```
Temperature= 27
Normal Temperature
-----BUZZER-----
dewpoint= 23
Relative Humidity= 78.78071949665967
>>>
================================================================
Temperature= 34
High temperature buzzer rings
XXXXXBUZZERXXXXX
dewpoint= 30
Relative Humidity= 79.73069031333124
>>>
```

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