Assignment 2

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

Code:

import random

from time import \*

gate=True

while(gate):

t = random.randint(0,50)

h = random.randint(10,50)

if t>45 and h<40:

print("Temperature =",t,"Humidity =",h)

print("ALARM ON")

gate=False

else:

print("Temperature =",t,"Humidity",h)

sleep(1);

output:

Temperature = 27 Humidity 38

Temperature = 36 Humidity 39

Temperature = 23 Humidity 40

Temperature = 24 Humidity 25

Temperature = 10 Humidity 40

Temperature = 17 Humidity 30

Temperature = 17 Humidity 35

Temperature = 48 Humidity = 16

ALARM ON