ASSIGNMENT -2 PYTHON PROGRAMMING

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OUESTION-1:

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

SOLUTION:

Let us consider normal temperature=40 Celsius and normal humidity=65% "" import random
Temperature=random.randin(1,100)
Humidity=random.randint(1,100) print("Temperature:") print(Temperature) print("Humidity:") print(Humidity)

if((Temperature>40)&(Humid ity>65)): print("Values are HIGH!!! ") print("ALERT") elif((Temperature>40)&(Hum idity<65)): print("Tempertaure Value is HIGH!!! ") print("Check Temperature") if((Temperature<40)&(Humid ity>65)):

print("Humidity Value is
HIGH!!! ") print("Check
Humidity")

if((Temperature<40)&(Humid ity<65)): print("All Values are in limit!!! ") print("SAFE ZONE")

OUTPUT:







