Assingment-2

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Question:

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

Python code:

import random

import time

while True:

temperature = random.randrange(1, 100, 1) #temperature generates randomly

humidity = random.randrange(1, 100, 1) # humidity generates randomly

if temperature > 60:

print("High temperature Detected ==> " + str(temperature) + u"\N{DEGREE SIGN}C = 'ALARM ON”);

else:

print("Normal temperature Detected ==> " + str(temperature) + u"\N{DEGREE SIGN}C = 'ALARM OFF");

break

time.sleep(2.0) # for time delay of 2 sec for every loop

Compiler Used:

GDB Compiler

Code and Output :

