QUESTION:

Build a python code, Assume you 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.

SOLUTION:

```
import tkinter as tk
import numpy as np
import random
import time
import datetime
import threading
import Adafruit_DHT
pin = 4
sensor = Adafruit_DHT.DHT22
def tick():
   time2=time.strftime('%H:%M:%S')
   clock.config(text=time2)
   clock.after(200,tick)
def get_data():
   threading.Timer(5, get_data).start()
    humidity, temperature = Adafruit_DHT.read_retry(sensor, pin)
    if humidity is not None and temperature is not None:
        print('Temp={0:0.1f}*C Humidity={1:0.1f}%'.format(temperature, humidity))
        1 display.config(text = temperature)
    else:
        print('Failed to get reading. Try again!')
    return temperature
mainwindow = tk.Tk()
mainwindow.geometry('640x340')
mainwindow.title("Sensor Data Live Feed ")
clock=tk.Label(mainwindow,font=("Arial",30), bg='green',fg="white")
clock.grid(row=0, column=0, padx=10, pady=10, sticky="nsew")
l_m=tk.Label(mainwindow,text="Sensor Data ",font=("Arial",30),fg="Black")
l m.grid(row=0,column=1, padx=10, pady=10, sticky="nsew")
1 t=tk.Label(mainwindow, text="Temperature C",font=("Arial",25))
l_t.grid(row=1,column=0, padx=10, pady=10, sticky="nsew")
1 display=tk.Label(mainwindow,font=("Arial",25),fg="red")
1_display.grid(row=1,column=1, padx=10, pady=10, sticky="nsew")
tick()
get_data()
mainwindow.mainloop()
```