DATE	19 September 2022
STUDENT NAME	B VISHNU PRIYA
PROJECT NAME	IOT Based Smart Crop Protection System for Agriculture
MAXIMUM MARKS	2 Marks

1. 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 .

## Solution:

```
import random
import time
while (1):
    temp = random.uniform(0,100)
    humi = random.uniform(0,100)
    print("Temperature :",temp)
    print("Humidity :",humi,"%")
    time.sleep(1.5)

if (temp > 50.0):
    print("alarm is on")
```

```
In [25]: runfile('C:/Users/my pc/.spyder-py3/temp.py', wdir='C:/Users/my pc/.spyder-py3',
          import random
                                                                    current namespace=True)
          import time
                                                                    Temperature : 36.07568817833495
       ▼ while(1):
                                                                    Humidity: 57.819963756015504 %
                                                                    Temperature : 53.42489478200475
           temp = random.uniform(0,100)
                                                                    Humidity : 65.4078842727253 %
           humi = random.uniform(0,100)
                                                                    alarm is on
           print("Temperature :",temp)
print("Humidity :",humi,"%")
                                                                    Temperature : 42.6443855857892
                                                                    Humidity : 12.884372564115887 %
                                                                    Temperature : 59.37744527823505
           time.sleep(1.5)
                                                                    Humidity : 67.440968057245 %
           if (temp > 50.0):
                                                                    Temperature : 73.50693172110144
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                  print("alarm is on")
                                                                    Humidity: 40.35664468687437 %
```