Assignment -2

Python Programming

Assignment Date	28 September 2022
Student Name	SHAIMA M
Student Roll Number	962819106039
Maximum Marks	2 Marks

Question-1:

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 random
tem=random.uniform(10,55)
hum=random.randint(1,100)
print("Temperature : %.2f C"%(tem))
print("Humidity : %d%%"%(hum))
alarm=0
if (tem>27):
  print("High temperature")
  alarm=1
if (hum<30):
  print("Low humidity")
  alarm=1
elif(hum>50):
  print("High humidity")
  alarm=1
if(alarm==1):
  print("Alarm ON")
```

