

ASSIGNMENT – 2

PYTHON CODE

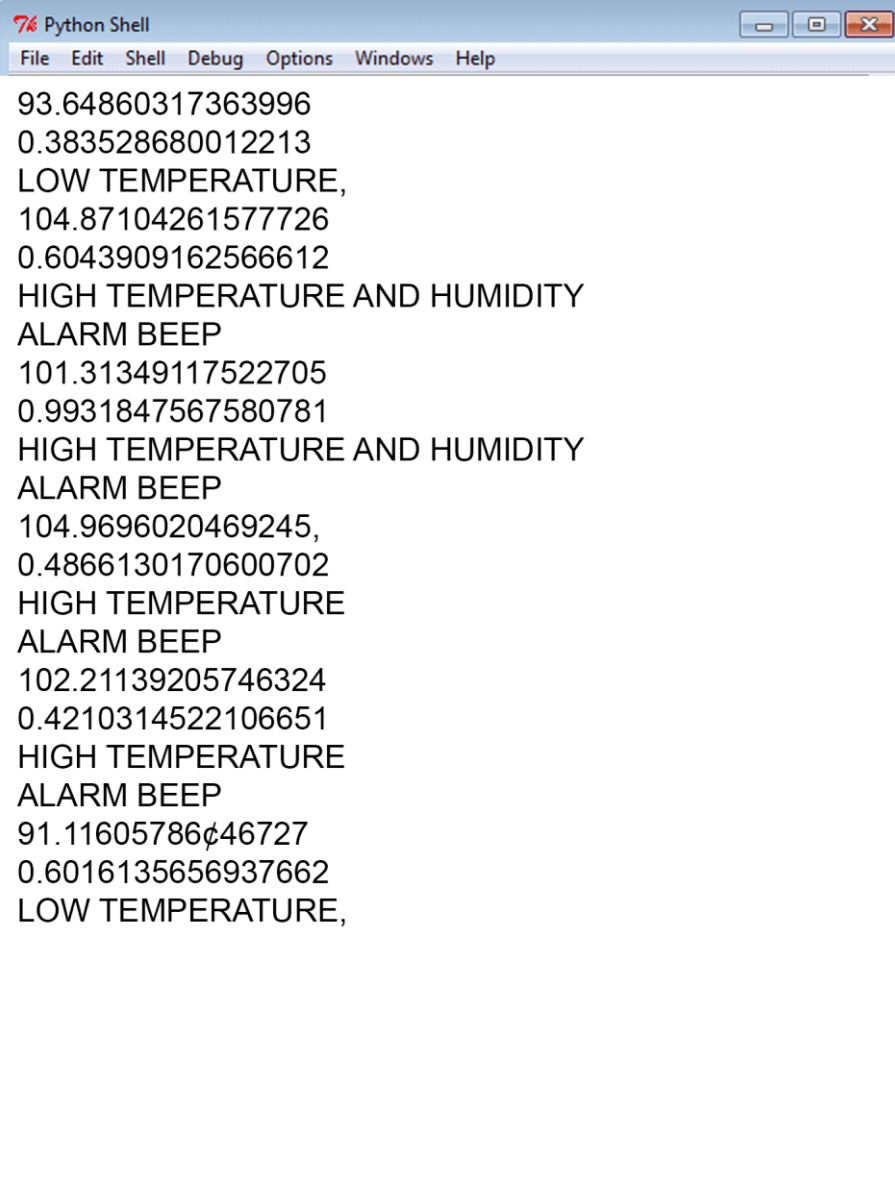
Assignment Date	28 September 2022
Student Name	PAVITHRA S
Student Roll Number	19CS104
Maximum Marks	2 Marks

QUESTION:

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 while True:
a=random.uniform(90,105) b=random.uniform(0.3,1) if a>95:
if a>=100:
if b>0.5:
print(a) print(b)
print("HIGH TEMPERATURE AND HUMIDITY") print("ALARM BEEP")
else:
print(a) print(b)
print("HIGH TEMPERATURE") print("ALARM BEEP")
else:
print(a) print(b)
print("TEMPERATURE APPEARS NORMAL")
else:
print(a) print(b)
print("TEMPERATURE APPEARS LOW")
```



```
Python Shell
File Edit Shell Debug Options Windows Help
93.64860317363996
0.383528680012213
LOW TEMPERATURE,
104.87104261577726
0.6043909162566612
HIGH TEMPERATURE AND HUMIDITY
ALARM BEEP
101.31349117522705
0.9931847567580781
HIGH TEMPERATURE AND HUMIDITY
ALARM BEEP
104.9696020469245,
0.4866130170600702
HIGH TEMPERATURE
ALARM BEEP
102.21139205746324
0.4210314522106651
HIGH TEMPERATURE
ALARM BEEP
91.1160578646727
0.6016135656937662
LOW TEMPERATURE,
```