

Assignment -2

Python Programming

Assignment Date	21 September 2022
Student Name	Mr. SENTHAMIZARASU M
Student Roll Number	513419106703
Maximum 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:

```
#TEMPERATURE AND HUMIDITY
import random
while True:
    temp = random.randint(30, 60)
    hum = random.randint(4, 80)
    print(temp,'*C') #temperature in celsius
    if temp>=36:#assume below 36 normal temperature
        print("HIGH TEMPERATURE,ALARMING")
    else:
        print("NORMAL")
    print("HUMIDITY:",hum,'%')
```

PYTHON PROGRAMMING

```
temp = random.randint(30, 60)
hum = random.randint(4,60)
print(temp, "°C")
if temp>36:
    print("HIGH TEMPERATURE,ALARMING")
else:
    print("NORMAL")
print("HUMIDITY:",hum,'%')
```

```
HUMIDITY: 63 %
48 °C
HIGH TEMPERATURE,ALARMING
HUMIDITY: 19 %
50 °C
HIGH TEMPERATURE,ALARMING
HUMIDITY: 48 %
32 °C
NORMAL
HUMIDITY: 62 %
30 °C
NORMAL
HUMIDITY: 68 %
35 °C
HIGH TEMPERATURE,ALARMING
HUMIDITY: 35 %
36 °C
HIGH TEMPERATURE,ALARMING
HUMIDITY: 7 %
41 °C
HIGH TEMPERATURE,ALARMING
HUMIDITY: 16 %
56 °C
HIGH TEMPERATURE,ALARMING
HUMIDITY: 52 %
52 °C
HIGH TEMPERATURE,ALARMING
HUMIDITY: 78 %
49 °C
HIGH TEMPERATURE,ALARMING
HUMIDITY: 8 %
53 °C
HIGH TEMPERATURE,ALARMING
HUMIDITY: 25 %
59 °C
HIGH TEMPERATURE,ALARMING
HUMIDITY: 77 %
57 °C
HIGH TEMPERATURE,ALARMING
HUMIDITY: 73 %
30 °C
NORMAL
HUMIDITY: 44 %
47 °C
HIGH TEMPERATURE,ALARMING
HUMIDITY: 7
```

Ln: 6 Col: 17

Ln: 47016 Col: 5