Assignment -2

Python Programming

Assignment Date	21 September 2022
Student Name	AFREEN MINU FATHIMA K
Student Roll Number	312319106006
Maximum Marks	2 Marks

Question-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.randint(0,80)

  humid=random.randint(10,90)

  print("HUMITIY : ",humid,"%")

  print("TEMPERATURE : ",temp,chr(176),"C")


  if temp>0 and temp<15:

    print("Temperature is very cold!")


  elif temp>15 and temp<40:

    print("Temperature is moderate")


  else:

    print("ALERT!!!")

    print("Temperature very hot!")


  time.sleep(3)

  print("\n")
```

```python
import random
import time
while(1):
    temp=random.randint(0,80)
    humid=random.randint(10,90)
    print("HUMITIY : ",humid,"%")
    print("TEMPERATURE : ",temp,chr(176),"C")

    if temp>0 and temp<15:
        print("Temperature is very cold!")

    elif temp>15 and temp<40:
        print("Temperature is moderate")

    else:
        print("ALERT!!!")
        print("Temperature very hot!")

    time.sleep(3)
    print("\n")
```

Python 3.7.0 Shell

File Edit Shell Debug Options Window Help

```
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04
:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for m
ore information.
>>>
 RESTART: C:/Users/MINU/AppData/Local/Programs/P
ython/Python37/projects/assignment2.py
HUMITIY :  21 %
TEMPERATURE :  22 ° C
Temperature is moderate


HUMITIY :  88 %
TEMPERATURE :  0 ° C
ALERT!!!
Temperature very hot!


HUMITIY :  66 %
TEMPERATURE :  51 ° C
ALERT!!!
Temperature very hot!
```